



MAHARASHTRA ANIMAL AND FISHERY SCIENCES UNIVERSITY, NAGPUR



पुरस्कार सोहळा
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ANNUAL REPORT 2024-25



ANNUAL REPORT 2024-2025

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Directorate of Extension Education

Maharashtra Animal & Fishery Sciences University, Nagpur - 440 001

Phone : 0712 - 2511784 / 2511785 Email : registrar@mafsu.ac.in web: www.mafsu.ac.in

Toll Free No.: 1800-233-3268



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**Directorate of Extension Education
Maharashtra Animal and Fishery Sciences University
Futala Lake Road, Nagpur - 440 001,
Maharashtra**

Phone: 0712-2511784 / 2511785

Website: www.mafsu.ac.in



Dr. N. V. Patil
Vice - Chancellor

PREFACE

It gives me great pleasure to present the main activities of Maharashtra Animal & Fishery Sciences University (MAFSU) in the areas of education, research, and extension for 2024–2025. With the goal of education being to develop a cadre of skilled workers in the fields of veterinary and animal husbandry, dairy technology, and fisheries science, the university is working hard to support the growth of these industries in the State thus contributing to the development of the nation. Besides this, the university is constantly extending its knowledge and its workforce for the actual fieldwork in these fields throughout the state.

Maharashtra Animal and Fishery Sciences University is the largest university with six Veterinary Colleges, two Dairy Technology Colleges, two Fishery Science Colleges, one Wildlife Research and Training Centre, three Krishi Vigyan Kendras, 9 livestock farms, 2 fish farms, 2 dairy plants and 110 recognized schools offering diploma in livestock management and dairy production (LMDP).

Under Veterinary Science stream of the University a total of 477 students were admitted in B.V.Sc. & A. H. Course, 186 in M.V.Sc Course and 5 in Ph.D. during 2024-25. The number of students admitted in the B. Tech Dairy Technology were 62 while 57 students were admitted in Fishery science faculty and a total of 5705 students were admitted in LMDP diploma course in 2024-25. In this year a total of 485 students were awarded with the bachelor's degrees, 204 completed their master's and 9 research scholars completed their Ph.D. degrees from the University.

The achievements in the research have been noteworthy wherein a total of 19 sponsored research projects funded by various agencies and State government with a total outlay of Rs. 848.81 lakhs are being implemented and 4 research projects worth Rs. 546.16 Lakhs were completed during 2024-25. Further, 15 Institute-Industry projects worth Rs. 101.69 Lakhs were completed and 13 ongoing projects with a grant of Rs. 48.29 Lakhs are underway and the researchers have published 343 research publications in peer reviewed National and International journals and 25 research recommendations were given for different stakeholders.

Capacity building projects worth 977.39 Lakhs sponsored by state department through various schemes are being implemented through the Directorate of Extension Education. A total of 8394 trainees were trained by the university which included the farmers, youth women and professionals. Further, the university has reached to 7.11 Lakhs stakeholders through its advisories and conducted demonstrations, workshops, field visits and farmers visits to the university campuses. Total 38 informative leaflets, 76 books/ Booklets/ Compendium/ Souvenirs/training manuals/Periodicals, 273 popular articles were published in local print media, whereas the 56 radio programmes and 29



television programmes have also enriched the outreach activity of the university. The university faculty has treated a total of 117671 animals in hospitals and ambulatory services. Total 12199 animals were treated through 109 animal health camps, 10852 diagnostics were extended for the benefit of the animal owners. The university has also adopted 30 villages under Unnat Bharat Abhiyan with a budget of 15 Lakhs for their holistic inclusive sustainable development by synergising the university expert-student and villages.

The University has successfully completed the development work worth Rs. 2566.23 Lakhs and is handling ongoing works worth Rs. 81586.46 Lakhs to meet the infrastructure need. I hope that this report which highlights the significant achievements in respect of academic, research and extension mandates of the University is successfully marching ahead towards meeting the expectations of livestock owners, farmers, industry and policy makers.

(Dr. Niteen V. Patil)



INDEX

1. Executive Summary	1
2. University Governance	4
2.1 MAFSU Mission	4
2.2 Mandate of University	4
2.3 Objectives of the Institution	4
2.4 Statutes and Regulations	5
2.5 University Authorities	6
2.6 Establishment	16
2.7 Supporting Units	19
2.8 Constituent Colleges/ Institutes	19
2.9 Website	20
3. Education	21
3.1 Higher Education	21
3.2 Lower Education	34
3.3 Capacity Building of Faculty and Staff	35
4. Students Development	36
4.1 Students Counselling	36
4.2 Scholarships/Fellowships	36
4.3 Students performance in All India Entrance Examination	37
4.4 Students Placement Cell	37
4.5 Sports and Cultural Activities	39
4.6 NSS Activities	40
4.7 NCC Activities	43
5. Research	45
5.1 Extramural Research Projects	45
5.2 Post Graduate Research Projects	64
5.3 Private Agency Projects - Institute-Industry Collaboration	66
5.4 Research Recommendations	66
5.5 Research Publications	73
5.6 Registration of new breeds	75

INDEX

6. Farm Activities	77
6.1 Livestock Farms	77
6.2 Fish Farms	81
6.3 Dairy Plants	82
7. Extension	84
7.1 Projects Sanctioned	84
7.2 Trainings Organized	92
7.3 Workshops/Seminars/Webinars/Farmers Meet Organized	99
7.4 Demonstrations Organized for Farmers and Officers	110
7.5 MAFSU Advisories	113
7.6 Exhibition Stalls Organized/ Participated	113
7.7 Livestock Shows Participated	117
7.8 Celebrations	119
7.9 Field Visits of Scientists	125
7.10 Visits of Farmers to Institute	127
7.11 Extension Publications	127
7.12 Radio and Television Talks	129
7.13 Unnat Bharat Abhiyan	129
7.14 Animal Health Camps	131
7.15 Hospital Services	133
7.16 Laboratory Diagnostic Services Provided	134
7.17 Inaugurations	134
8. Memorandum of Understanding	138
9. Awards, Honours and Recognitions	144
9.1 University/ Institute Awards	144
9.2 Staff Awards	144
9.3 Students Awards	153
10. Visits of Dignitaries	155
11. Buildings and Constructions	162
12. Accounts and Finance	166



1. EXECUTIVE SUMMARY

The Maharashtra Animal & Fishery Sciences University (MAFSU) was established on 3rd December, 2000 at Nagpur under the State Act 1998 (MAH.XVII of 1998). The University is serving towards the education, research and extension through sustainable management, conservation and augmentation of rich and diverse animal and fishery resources in the state.

The University has six Veterinary Colleges, two Dairy Technology Colleges, two Fishery Science Colleges, one Wildlife Research and Training Centre, three Krishi Vigyan Kendras and 110 recognized schools offering diploma in livestock management and dairy production (LMDP). The University is imparting undergraduate degree programmes in the disciplines of Veterinary Science and Animal Husbandry, Dairy Technology and Fishery Science. Masters degrees are available for Veterinary Science and Animal Husbandry, Dairy Technology while Ph.D degrees are available for Veterinary Science students. The Faculty of Lower Education offers two years diploma course entitled “Livestock Management and Dairy Production” for promoting entrepreneurship through its 110 recognized diploma schools.

A total of 477 students were admitted in B.V.Sc & A. H. Course, 186 in M.V.Sc Course and 5 in Ph.D course in the faculty of veterinary science. The number of students admitted in the B. Tech Dairy Technology were 62 while 57 students were admitted in Fishery science faculty and a total of 5705 students are admitted in LMDP diploma course in 2024-25.

Under ICAR-NTS National Talent scholarship 4 students were awarded the junior research fellowship for pursuing Masters and Doctoral Degrees while 5 research scholars cleared the ICAR-NET examination. Apart from this, scholarships and fellowships are awarded to academically meritorious students and government provided financial assistance to economically poor and backward class students in the form of freeships.

A total of 19 sponsored research projects funded by agencies like ICAR, ICMR, DBT, State government, Govt of India, RGSTC with a total outlay of Rs. 848.81 lakhs are being implemented and 4 research projects worth Rs. 546.16 lakhs were completed during 2024-25. The 15 Institute-industry collaboration projects worth Rs. 101.69 Lakhs are sponsored by private agencies and 13 ongoing projects with grants of Rs. 48.29 Lakhs are the examples of a commitment to work with different stakeholders for the advancement science and continued sustainability.

Under the project entitled “Conservation & multiplication of indigenous cattle breeds through Ovum Pick-up (OPU) and in vitro embryo production (IVEP)” a total of 190 ovum pick-up sessions were carried out in indigenous breed of cows with a total of 1720 oocytes aspirated, with an average of 9.05 oocytes per cow. A total of 746 embryos were produced following in vitro maturation, fertilization, and in vitro culture of embryos, with a blastocyst conversion rate of 43.37 %. These embryos were transferred to 502 recipient cows. In 107 cows, successful conception was observed, with an average conception rate of 21.31% and a total of 57 live calves are produced during 2024-25.

Significant findings from these researches along with the research conducted by staff and students has helped to bring 343 research publications in National and International journals and the university has given 25 research recommendations. The university has work for the breed recognition



of the local Karkambi pigs.

The university is having nine livestock and poultry farms in the constituent colleges as the instructional farms for practical experiences for the students, demonstration unit for trainees and conducting the applied research. The farms have a total of 1282 farm animals viz. 513 cattle, 225 buffaloes, 84 sheep and 460 goats. These farms also have 3485 poultry birds in five poultry farms. These farms with an aim of conservation of region specific livestock breeds have produced a total of 4568.98 MT of fodder which includes 4278.08 MT of green fodder and 290.90 MT of dry fodder. Total revenue of 107.43 lakhs was generated through the extension trainings, sale of milk, eggs, fodder, animals and farm produce like compost and grains at college farms.

The Directorate of Extension is running projects worth 977.39 Lakhs in collaboration with the National Dairy Development Board (NDDB), Anand, Gujarat, Mahila Vikas Arthik Vikas Mahamandal (MAVIM), Mumbai, SMART Cell, Department of Animal Husbandry, Government of Maharashtra and Department of Animal Husbandry and Dairying, Government of India for training of dairy farmers, pashusakhis, field veterinarians and unemployed youth. The three Micro Training Centres (MTCs) at Nagpur, Wardha and Amravati have organized 126 trainings and a total of 3289 dairy farmers were trained from start of the project. Under MAVIM sponsored project a total of 1015 Pashusakhis have completed 10 days training on goat farming module-I and 878 Pashusakhis have completed 5 days training on goat farming module-II and these trained Pashusakhis are delivering extension services in 1050 villages in Maharashtra. SMART Project funded by Government of Maharashtra on, "Skill upgradation training for Pashusakhis for improving goat and poultry farming" was implemented in the constituent colleges of the University during 2023-24 and 2024-25 wherein nine trainings with a total of 225 pashusakhis were trained. A total of 125 officers of Animal Husbandry were also trained during 5 days residential training on "Good Animal Husbandry Practices for Enhancing Livestock Productivity, Animal Welfare and Food Safety".

During 2024-25, University has conducted 139 trainings for 4951 farmers and 61 trainings for 3443 professionals. In this year, a total of 58 workshops, seminars and webinars were organized wherein 3556 famers were benefited while 32 workshop, seminars, webinars and conferences were organized for the professional wherein a total of 2255 professionals were involved. The University has disseminated need based advisories reaching-out to 711194 farmers across the state through the Reliance Foundation. Total 334 demonstrations were conducted for showcasing the established technologies and a total of 11072 farmers were benefitted and another 53 demonstrations were also organized for 1085 professional. The University have participated in 46 exhibitions organized by various agencies and have participated in 19 livestock shows wherein 88 experts have rendered their services as experts for livestock judging. A total of 5262 farmers visited to Institutes of MAFSU and 144 faculty members also visited the field during 2024-25.

The University faculty have published 38 informative leaflets, 76 books/ Booklets/ Compendium/Souvenirs/training manuals/Periodicals, 273 popular articles in local print media. This rich information base is available for the students, farmers and field functionaries through the University library and from the libraries in all the constituent colleges of the University. Electronic Mass Medias like radio and television serves as the most effective outreach medium for the transfer of technologies. Through 56 radio programmes and 29 television programmes on animal husbandry, dairy technology, poultry and fisheries sectors, scientific information and technologies were



disseminated for all the stakeholders across the State.

Unnat Bharat Abhiyan, the flagship programmes of the Govt. of India is also being implemented in true spirit and the University has made a provision of Rs. 50,000/- per village from the revenue receipt for overall development of the selected 30 adopted villages selected under the Unnat Bharat Abhiyan where activities related with improvement of animal husbandry activities were carried out through different programs and special NSS residential camps for the students.

During the last year through 204 different programs like farm visits, farmers scientist meet, group discussions, awareness campaigns, tree plantation, cleanliness drive, fodder production, value added milk, meat and fish product preparation, ambulatory clinical services, animal health camps, trainings, demonstrations, guidance about new technologies in the animal husbandry, dairying and fisheries, etc. were organized through which, a total of 10061 farmers were benefitted in these adopted villages of the university with the involvement of 139 experts from colleges.

As an important facilitative service by the University, a total of 117671 animal cases were treated wherein the cases treated in hospitals are 113974 while 12199 animals were treated through the 109 animal health camps and 3697 animals were treated during the ambulatory services being provided by the colleges. The advance imaging techniques like USG were used for diagnosis of 5022 cases while 5830 X-Rays were processed by the experts in the hospitals. The constituent colleges have also extended the diagnostic services wherein a total of 12809 blood samples were analyzed for CBC, 8616 blood smears were examined, 3175 faecal samples were examined for parasitic infestations and 14184 biochemical estimations were carried out.

The University has successfully completed the infrastructural development work worth Rs. 2566.23 lakhs and is handling ongoing works worth Rs. 81586.46 lakhs. The university received the funds of Rs. 20819 Lakhs for the salary, pension, and contingency under non plan and for works and mafsuarth/mahait and the corresponding expenditure was Rs. 13051 Lakhs. The University received the funding of Rs. 710 lakhs from ICAR for education, AICRP, KVK and for other schemes sponsored by ICAR. A grant of Rs. 183 Lakhs were also received from sponsoring agencies like ICMR, and other agencies while state government also provided grants of Rs. 476 Lakhs for implementation of projects through MAVIM and SMART projects. The university bagged Rs. 79 lakhs from various private agencies for small agency projects. The university has also generated a receipt of Rs. 2397 Lakhs from the educational fees, sale of farm produce like milk, animals and compost, etc.



2. UNIVERSITY GOVERNANCE

The Maharashtra Animal and Fishery Sciences University was established through the notification dated November 17th, 2000 under the State Act No. 1998 (Mah. XVII of 1998) on 3rd December 2000 at Nagpur. The University was carved out of the four Agricultural Universities in the State by transferring five Veterinary Colleges and one Post Graduate Veterinary Institute and Dairy Technology College. Subsequently, University established two Fishery Colleges, one Dairy Technology College, one Wildlife Research and Training Centre and three Krishi Vigyan Kendras considering the requirement and need of the State.

2.1. MAFSU MISSION

Our mission is to ensure enlightenment and empowerment of students by imparting advanced knowledge in the fields of animal, dairy and fishery sciences by adopting innovative, efficient and effective strategies. We will strive for creating rural employment economic prosperity and well-being of the resource-poor farming community in the state through viable and vibrant research and impact maximizing extension education services and growth oriented and faculty friendly practices. We will contribute to public health research and with an ultimate aim to enrich human nutrition and welfare.

By using the latest technologies, we will make education meaningful, relevant, universally accessible, intellectually stimulating and professionally challenging. We will create environment for conducting need based high-quality research, applying the best outreaching strategies and practices, leveraging the strength of our network of constituent colleges and affiliated institutes. We shall produce and offer well trained highly competent manpower and high-tech newer technologies for enhancing productivity, augmenting production quality and safety of the livestock products, without compromising animal welfare. This will be done through a wide range of capacity development programmes for field workers, livestock holders, dairymen and fishermen for bringing about the total metamorphosis of livestock, Dairy and Fishery sectors in the state of Maharashtra.

2.2. MANDATE OF UNIVERSITY

1. To produce knowledge bearing man power in the field of Veterinary, Animal Science, Dairy Technology and Fishery Science.
2. To develop extension methodologies modules and address policy issues in respect of animal health and productivity, service delivery in the state of Maharashtra.
3. To play a role of think tank for the department of animal husbandry, dairy development and fisheries to assist in policies monitoring and impact analysis.

2.3. OBJECTIVES OF THE INSTITUTION

1. To impart and co-ordinate education in Animal and Fishery Sciences including the post graduate education.
2. To further advancement of learning and prosecution of research in Animal Sciences and Fishery Sciences with special emphasis on need-based research relevant to field problems of the State and aspirations of the farmers.
3. To impart lower education in the field of Veterinary, Animal and Fishery Sciences.



4. To organize and impart continued education, refresher's training courses and summer institutes, hold technical symposiums, seminars and workshops to bring about professional development and skill improvement of the technical personnel in the field.
5. To hold examinations and confer such Degrees, Diplomas, Certificates and other academic distinctions as deemed fit.
6. To undertake lab to land transfer of technology, to effectively deliver benefits of research to the rural masses, industries and other related beneficiaries in the sector in the State through appropriate extension agencies.
7. To integrate teaching, research and extension training with an ultimate aim to promote productivity in Animal Husbandry, Dairy, Poultry and Fishery Sectors.
8. To promote marine and inland fisheries, to preserve and upgrade wild life and zoo animals in the State.
9. To develop brackish water and fresh water aquaculture.
10. To develop marketing infrastructure.
11. To formulate welfare schemes for fishermen and livestock farmers.
12. To develop by-products technology in livestock, fisheries and dairy.
13. To liaise and establish vital linkages with concerned Departments of Animal Husbandry, Dairy Development and Fisheries Development of the State and Union and National and International Research Institutes specialized in the field of Animal and Fishery Sciences with a view to keep abreast of the latest technology.

2.4. STATUTES AND REGULATIONS

The University is governed by following Rules and Regulations.

- **MAFSU Act 1998:** Maharashtra Animal & Animal and Fishery Sciences University Act – 1998 published in Maharashtra Government gazette on Monday the 4th May, 1998 and its amended from time to time.
- **MAFSU Statutes - 2002:** In accordance with the section 34(1) read with section 33 of the Maharashtra Animal and Fishery Sciences University Act, 1998 (Mah.XVII of 1998), the Executive Council of the University with the assent of the Chancellor of the University on 21st April 2002 (No.CS/MAFSU/STT/43/01/B (4055/1165) made statutes namely 'Maharashtra Animal and Fishery Sciences University Statutes 2002'.
- **MAFSU Accounts Code - 2007:** The University published regulations governing the University finances, accounts and audits as MAFSU Accounts Code- 2007 on 25.02.2007. The MAFSU Accounts Code defines the procedures and code of practices that are to be followed for smooth financial administration.
- **MAFSU Compendium- 2019:** The University vide order No. MAFSU/EST/2680/19 dated: 20.09.2019 published MAFSU Compendium- 2019 which delegates financial and administrative powers to head of the offices, and controlling officers for transparent, easy and quick administration.
- **MAFSU Academic Regulations for Post Graduate Degree Programme - 2023 :** The Executive Council, MAFSU in its 90th meeting held on 26.02.2023 vide resolution No. 146/2023 accorded its approval to the MAFSU Academic Regulations 2023 for Postgraduate (Masters & Doctorate) Degree Programmes as per the ICAR Restructured and Revised Syllabi of



Postgraduate Programmes. The MAFSU Academic Regulations 2023 are effected from the academic year 2023-24.

- **MAFSU Academic Regulations for B. V. Sc. & A. H. Degree Course -2016:** The B.V.Sc & A. H. course offered by the constituent Veterinary Colleges of the University is governed by the Veterinary Council of India Minimum Standards of Veterinary Education (Bachelor of Veterinary Science and Animal Husbandry – Degree Course) Regulations – 2016. The University has formulated the MAFSU Academic Regulations for B. V. Sc. & A. H. Degree Course (2016) based on the MSVE 2016
- **MAFSU Academic Regulations for Bachelor of Technology (Dairy Technology) Degree Course -2016:** The B.Tech (Dairy Technology) degree course offered by the constituent Dairy Technology colleges of the University is as per the recommendations of Fifth Deans' Committee Report of ICAR. The University has formulated MAFSU Academic Regulations for Bachelor of Technology (Dairy Technology) Degree Course (2016) as per the Fifth Dean's Committee's report.
- **MAFSU Academic Regulations for Bachelor of Fishery Science Degree Course -2016:** The B.F.Sc. degree course offered by the constituent Fishery Science colleges of the University is as per the recommendations of Fifth Deans' Committee Report of ICAR. The University has formulated MAFSU Academic Regulations for Bachelor of Fishery Science Degree Course (2016) as per the Fifth Dean's Committee's report.
- **MAFSU Academic Regulations for Bachelor of Technology (Dairy Technology) Degree Course - 2024:** The B.Tech (Dairy Technology) degree course offered by the constituent Dairy Technology colleges of the University is as per the recommendations of Sixth Deans' Committee Report of ICAR. The University has formulated MAFSU Academic Regulations for Bachelor of Technology (Dairy Technology) Degree Course (2024) as per the Sixth Dean's Committee's report.
- **MAFSU Academic Regulations for Bachelor of Fishery Science Degree Course - 2024:** The B.F.Sc. degree course offered by the constituent Fishery Science colleges of the University is as per the recommendations of Sixth Deans' Committee Report of ICAR. The University has formulated MAFSU Academic Regulations for Bachelor of Fishery Science Degree Course (2024) as per the Sixth Dean's Committee's report.

2.5 UNIVERSITY AUTHORITIES

2.5.1 Executive Council

The Executive Council is the chief executive body of the University. The Vice-Chancellor is the ex-officio Chairman and Registrar is ex-officio Secretary to the Executive Council.

The 95th, 96th, 97th and five special meetings of Executive Council were organized on 05/07/2024, 07/12/2024, 21/02/2025, 24/06/2024, 15/07/2024, 26/08/2024, 11/10/2024 and 04/03/2025, respectively during the year 2024-25.

The Executive Council is comprised of the following members as on 31.03.2025

1	Dr. Niteen V. Patil Hon'ble Vice-Chancellor, MAFSU, Nagpur	Ex-Officio Chairman
2	Commissioner, Animal Husbandry M. S., Pune	Ex-Officio Member
3	Commissioner, Dairy Development M. S., Mumbai	Ex-Officio Member



4	Commissioner, Fisheries M. S., Mumbai	Ex-Officio Member
5	Commissioner, Agriculture, M.S., Pune	Ex-Officio Member
6	Conservator of Forests (Working Plan) Near Govt. Press, Zero Miles, Civil Lines, Nagpur	Ex-Officio Member
7	Mrs. Anuradha Atul Chavan Hon'ble MLA Founder Chairperson, 'Shanti Pratishtan, At. Post – Kingaon, Tal. Pholambari, Dist. Chatrapati Sambhajinagar	Nominated Member
8	Shri. Rajesh G. Wankhede Om Gurudev, Chandni Chowk, A/P: Sawada; Tal: Raver; Dist: Jalgaon	Nominated Member
9	Er. Govind Bapurao Narvate At. Sadguru Nagar, Old AUSA Road, Near KalikadeviMandir, Latur – 413 512	Nominated Member
10	Dr. Ingle Sandip Vinayakrao Member, VCI Mauli House, Balaji Nagar, Amravati	Nominated Member
11	Dr. Bimlesh Mann Assistant Director General (EP&HS), ICAR, Krishi Anusandhan Bhawan, Pusa, New Delhi	Nominated Member
12	Shri. Rushikesh Sunil Khande At.Songaon Road, KhandeVasti, At/Po. Bhagwatipur, Tal. Rahata, Bhagwatipur, Dist. Ahmednagar - 423107	Nominated Member
13	Shri. Sunil Vijay Somwanshi A.P. Yerla, Ta. Morshi Dist. Amravati- 444 905	Nominated Member
14	Shri. Niranjan Dilip Gaikwad Flat No. 8, B ward, Subhash Nagar, Kolhapur, Pin - 416012	Nominated Member
15	Dr. Samiran Panda Director & Scientist – G, National AIDS Research Institute, Pune and Head, Division of Epidemiology & Communicable Diseases; ICMR; V. Ramalingaswami Bhavan, New Delhi	Nominated Member
16	Dr. S. V. Upadhye DI & Dean, Faculty of Veterinary Science, MAFSU, Nagpur	Ex-Officio Member
17	Dr. S. W. Bonde Dean, Faculty of Lower Education,MAFSU, Nagpur	Ex-Officio Member
18	Dr. P. G. Wasnik Dean, Faculty of Dairy Technology, MAFSU, Nagpur	Ex-Officio Member
19	Dr. S. W. Bonde Dean, Faculty of Fishery Sciences, MAFSU, Nagpur	Ex-Officio Member



20	Dr. N. V. Kurkure Director of Research, MAFSU, Nagpur	Ex-Officio Member
22	Smt. Mona Thakur Registrar, MAFSU, Nagpur	Ex-Officio Secretary

2.5.2 Academic Council

The Academic Council of the University serves as an advisory body and has the right to advise Vice-Chancellor and the Executive Council in all Academic, Research and Extension Education matters. The Vice-Chancellor is the ex-officio Chairman and Registrar is ex-officio Secretary to the Academic Council.

The 62nd, 63rd and four special meetings of Academic Council were organized on 26/06/2024, 14/02/2025, 16/04/2024, 15/07/2024, 26/08/2024 and 04/03/2025 during the year 2024-25.

The Academic Council is comprised of the following members as on 31.03.2025.

1	Dr. Niteen V. Patil Hon'ble Vice-Chancellor, MAFSU, Nagpur	Ex-Officio Chairman
2	Dr. S.V. Upadhye DI & Dean, Faculty of Veterinary Sciences, MAFSU, Nagpur	Ex-Officio Member
3	Dr. N.V. Kurkure Director of Research, MAFSU, Nagpur	Ex-Officio Member
4	Dr. A.U. Bhikane Director of Extension Education, MAFSU, Nagpur	Ex-Officio Member
5	Dr. S.W. Bonde Dean, Faculty of Lower Education, MAFSU, Nagpur	Ex-Officio Member
6	Dr. P.G. Wasnik Dean, Faculty of Dairy Technology, MAFSU, Nagpur	Ex-Officio Member
7	Dr. S.W. Bonde Dean, Faculty of Fishery Science, MAFSU, Nagpur	Ex-Officio Member
8	Dr. S.D. Ingole Associate Dean, MVC, Mumbai	Ex-Officio Member
9	Dr. A.P. Somkuwar Associate Dean, NVC, Nagpur	Ex-Officio Member
10	Dr. S.R. Rajurkar Associate Dean, COVAS, Parbhani	Ex-Officio Member
11	Dr. N. Z. Gaikwad Associate Dean, COVAS, Udgir, Dist. Latur	Ex-Officio Member
12	Dr. V.S. Waskar Associate Dean, KNPCVS, Shirwal, Dist. Satara	Ex-Officio Member
13	Dr. C. H. Pawshe, Associate Dean, PGIVAS, Akola	Ex-Officio Member
14	Dr. P.G. Wasnik Associate Dean, CDT, Warud (Pusad), Dist. Yavatmal	Ex-Officio Member



15	Dr. M.R. Patil Associate Dean, CDT, Udgir, Dist. Latur	Ex-Officio Member
16	Dr. P.A. Telvekar Associate Dean, COFS, Nagpur	Ex-Officio Member
17	Dr. B.R. Kharatmol Associate Dean, COFS, Udgir. Dist. Latur	Ex-Officio Member
18	Dr. C.S. Mamde Head, Department of Veterinary Anatomy, Histology & Embryology, COVAS, Parbhani	Ex-Officio Member
19	Dr. S. D. Ingole Head, Department of Veterinary Physiology, MVC, Mumbai	Ex-Officio Member
20	Dr. S. W. Bonde Head, Department of Veterinary Biochemistry, NVC, Nagpur	Ex-Officio Member
21	Dr. A.P. Somkuwar Head, Department of Veterinary Pharmacology & Toxicology, NVC, Nagpur	Ex-Officio Member
22	Dr. H.Y. Palampalle Head, Department of Veterinary Parasitology, MVC, Mumbai	Ex-Officio Member
23	Dr. R.S. Gandge Head, Department of Veterinary Microbiology, COVAS, Parbhani	Ex-Officio Member
24	Dr. G. R. Gangane Head, Department of Veterinary Pathology, COVAS, Parbhani,	Ex-Officio Member
25	Dr. R.J. Zende Head, Department of Veterinary Public Health, MVC, Mumbai	Ex-Officio Member
26	Dr. B. N. Ramteke Head, Department of Animal Nutrition, NVC, Nagpur	Ex-Officio Member
27	Dr. S.V. Kuralkar Head, Department of Animal Breeding and Genetics including Biostatistics, PGIVAS, Akola	Ex-Officio Member
28	Dr. J.M. Chahande Head, Department of Livestock Production and Management, NVC, Nagpur	Ex-Officio Member
29	Dr. A.A. Devanagare Head, Department of Livestock Products Technology, COVAS, Udgir, Dist - Latur	Ex-Officio Member
30	Dr. C.H. Pawshe Head, Department of Animal Reproduction, PGIVAS, Akola	Ex-Officio Member
31	Dr. M.G. Thorat Head, Department of Veterinary Surgery and Radiology, PGIVAS, Akola	Ex-Officio Member
32	Dr. R.V. Gaikwad Head, Department of Clinical Veterinary Medicine including Ethics and Jurisprudence, MVC, Mumbai	Ex-Officio Member



33	Dr. S.S. Ghoke Head, Department of Veterinary Epidemiology and Preventive Medicine, COVAS, Udgir	Ex-Officio Member
34	Dr. D.S. Deshmukh Head, Department of Veterinary and Animal Husbandry Extension, COVAS, Parbhani	Ex-Officio Member
35	Dr. S.J. Manwar Head, Department of Poultry Science, PGIVAS, Akola	Ex-Officio Member
36	Dr. B.D. Meshram Head, Department of Dairy Technology CDT, Warud (Pusad), Dist. Yavatmal	Ex-Officio Member
37	Dr. P. G. Wasnik Head, Department of Dairy Engineering, CDT, Warud (Pusad), Dist. Yavatmal	Ex-Officio Member
38	Dr. M.R. Patil Head, Department of Dairy Chemistry, CDT, Udgir), Dist-Latur	Ex-Officio Member
39	Dr. A. R. Sarode Head, Department of Dairy Microbiology CDT, Warud (Pusad), Dist. Yavatmal	Ex-Officio Member
40	Dr. R.S. Walse Head, Department of Dairy Business Management CDT, Warud (Pusad), Dist. Yavatmal	Ex-Officio Member
41	Dr. B.R. Kharatmol Head, Department of Fisheries Resource Management (Fisheries Biology), COFS, Udgir	Ex-Officio Member
42	Dr. S. S. Belsare Head, Department of Aquaculture, COFS, Nagpur	Ex-Officio Member
43	Shri. S.A. Joshi Head, Department of Fish Processing Technology, COFS, Nagpur	Ex-Officio Member
44	Shri. A.T. Markad Head, Department of Fisheries Engineering, COFS, Udgir	Ex-Officio Member
45	Dr. P. A. Telvekar Head, Department of Fisheries Extension, Economics and Statistics, COFS, Nagpur	Ex-Officio Member
46	Dr. J. G. K. Pathan Head, Department of Aquatic Environment Management, COFS, Nagpur	Ex-Officio Member
47	Dr. R.H. Rathod Head, Department of Aquatic Animal Health Management, COFS, Nagpur	Ex-Officio Member
48	Smt. Mona Thakur Registrar, MAFSU, Nagpur	Ex-Officio Secretary

2.5.3 Board Of Studies (BOS)

The Faculty of Veterinary Science is having Board of Studies for 18 subjects and one study group of Animal Biotechnology whereas Faculty of Dairy Technology is having Board of Studies for 6 subjects and Faculty of Fisheries is having Board of Studies for 3 subjects and study groups for 4 subjects.

During 2024-25, total 52 meetings of BOS were organized in which 51 were in various subjects under faculty of Veterinary and Animal Sciences and one in Faculty of Dairy Technology.

Faculty of Veterinary and Animal Sciences

1	Veterinary Anatomy and Histology	2	Veterinary Physiology
3	Veterinary Biochemistry including Clinical Biochemistry	4	Veterinary Pharmacology and Toxicology
5	Veterinary Parasitology	6	Veterinary Microbiology
7	Veterinary Pathology	8	Veterinary Public Health
9	Animal Nutrition	10	Animal Breeding & Genetics including Biostatistics
11	Livestock Production & Management	12	Livestock Products Technology
13	Animal Reproduction, Gynaecology and Obstetrics	14	Veterinary Surgery and Radiology
15	Clinical Veterinary Medicine including Ethics and Jurisprudence	16	Veterinary Epidemiology & Preventive Medicine
17	Veterinary & Animal Husbandry Extension	18	Poultry Science

Study Group : Animal Biotechnology

Faculty of Dairy Technology

1	Dairy Technology	2	Dairy Engineering
3	Dairy Chemistry, Biochemistry and Food Technology	4	Dairy Economics, Dairy Extension and Management
5	Dairy Microbiology	6	Computer Science, Mathematics and Statistics

Faculty of Fisheries

1	Aquaculture	2	Fisheries Engineering
3	Fish Processing Technology and Microbiology (Fish Processing Technology- ICAR V Dean Report)		

Study Groups :

- 1- Fisheries Biology (Fisheries Resource Management- ICAR V Dean Report)
2. Fisheries Resources, Economics, Statistics and Extension Education (Fisheries Extension, Economics and Statistics- ICAR V Dean Report)
3. Fisheries Hydrography (Aquatic Environment Management -ICAR V Dean Report)
4. Aquatic Animal Health Management -ICAR V Dean Report)

2.5.4 Research Council

Research Council constituted to serve as a think tank advisory body of the University and shall advice the Vice-Chancellor and Executive Council on all research matters. The Vice-Chancellor is the ex-officio Chairman and Director of Research is ex-officio Member Secretary to the Research Council. The 11th & 12th meeting of Research Council were held on 29-30, April, 2024 and 13-14, February, 2025



respectively.

The Research Council is comprised of following members (As on 31.03.2025)

1.	Dr. Niteen V. Patil The Hon'ble Vice Chancellor, MAFSU, Nagpur	Chairman
2.	Dr. N.V. Kurkure Director of Research, MAFSU, Nagpur	Ex-Officio Member Secretary
3.	Dr. S.V. Upadhye DI & Dean (Faculty of Veterinary Science), MAFSU, Nagpur	Ex-Officio Member
4.	Dr. A. U. Bhikane Director of Extension Education, MAFSU, Nagpur	Ex-Officio Member
5.	Dr. P.G. Wasnik Dean, Faculty of Dairy Technology, MAFSU, Nagpur	Ex-Officio Member
6.	Dr. S.W. Bonde Dean, Faculty of Fishery Science, MAFSU, Nagpur	Ex-Officio Member
7.	Commissioner, Animal Husbandry, M. S., Pune	Ex-Officio Member
8.	Commissioner, Dairy Development, M. S., Mumbai	Ex-Officio Member
9.	Commissioner, Fisheries, M. S., Mumbai	Ex-Officio Member
10.	Commissioner, Agriculture, M.S., Pune	Ex-Officio Member
11.	Dr. A.P. Somkuwar Associate Dean, NVC, Mumbai	Ex-Officio Member
12.	Dr. S.D. Ingole Associate Dean, MVC, Nagpur	Ex-Officio Member
13.	Dr. S. R. Rajurkar Associate Dean, COVAS, Parbhani	Ex-Officio Member
14.	Dr. V.S. Waskar Associate Dean, KNPCVS, Shirwal, Dist. Satara	Ex-Officio Member
15.	Dr. N.Z. Gaikwad Associate Dean, COVAS, Udgir, Dist. Latur	Ex-Officio Member
16.	Dr. C.H. Pawashe Associate Dean, PGIVAS, Akola	Ex-Officio Member
17.	Dr. P.G. Wasnik Associate Dean, CDT, Warud (Pusad), Dist. Yavatmal	Ex-Officio Member
18.	Dr. M.R. Patil Associate Dean, CDT, Udgir, Dist. Latur	Ex-Officio Member
19.	Dr. P. A. Telvekar Associate Dean, COFS, Nagpur	Ex-Officio Member
20.	Dr. B.R. Kharatmol Associate Dean, COFS, Udgir, Dist. Latur	Ex-Officio Member
21.	Director of Research, MPKV, Rahuri, Dist. Ahmadnagar	Ex-Officio Member
22.	Director of Research, Dr. PDKV, Akola	Ex-Officio Member
23.	Director of Research, BSKKV, Dapoli, Dist. Ratnagiri	Ex-Officio Member
24.	Director of Research, VNMKV, Parbhani	Ex-Officio Member
25.	Dr. V. Sridhar Senior General Manager, VMDDDB, Civil Lines, Nagpur	Nominated member



26.	Central Zoo Authority, B-1 Wing, 6th Floor, Pt. Deendayal Antyodaya Bhawan, New Delhi	Nominated member
27.	Dr. Ashok Kumar Assistant Director General (Animal Health), ICAR, Division of Animal Science, Krishi Bhavan, New Delhi	Nominated member
28.	Dr. Sanjeev Khosla Director, CSIR - Institute of Microbial Technology, Chandigarh	Nominated member
29.	Dr. Manju Rahi Director & Scientist-'G' Vector Control Research Centre, Puduchery	Nominated member
30.	Managing Director Punyashlok Ahilyadevi Mendhi & Sheli Vikas Mahamandal, Gokhale Nagar, Pune	Nominated member
31.	Dr. Shirish Nigam President, Indian Federation of Animal Health C/o E.W. Nutrition India (P) Ltd., Noida (U.P.) 201 301	Nominated member
32.	Dr. R. S. Masali C/o Compound Livestock Feed Manufacturers Association of India, Mittal Chambers, Nariman Point, Mumbai	Nominated member
33.	Board of Research and Nuclear Science (BRNS), Babha Atomic research centre, Anushakti Bhavan, Trombay	Nominated member
34.	Dr. Lokesh Kumar Narnoliya Scientist-D, Department of Bio-Technology, New Delhi	Nominated member
35.	Dr. Dinesh Tukaram Bhosale Poultry Federation of India 79, Rakshak Society, Near Rakshak Chowk, Pune	Nominated member
36.	Prof. Dr. J. B. Prajapati Chairman, Indian Dairy Association- West Zone, Andheri (East), Mumbai	Nominated member
37.	Dr. Dinesh Sawant General Manager (Agri. & AH) Maharashtra Rajya Sahakari Dudh Mahasangh Maryadit, Mumbai	Nominated member
38.	Member Secretary Vidarbha Development Board, Nagpur	Nominated member
39.	Member Secretary Marathwada Development Board, Chatrapati Sambhajnagar	Nominated member
40.	Prof. C.G. Joshi Director, Gujarat Biotechnology Research Centre (GBRC) Government of Gujarat, Gandhinagar, Gujarat	Co-opt member
41.	Dr. S. B. Barbuddhe Director, ICAR-NMRI, Hyderabad	Co-opt member
42.	Dr. G. R. Patil Ex-Joint Director, ICAR-NDRI, Karnal, Haryana	Co-opt member
43.	Dr. Narottam Prasad Sahu Joint Director, ICAR - CIFE, Mumbai	Co-opt member



2.5.5 Extension and Continuing Education Council

The Extension and Continuing Education Council is constituted to serve as a think tank advisory body of the University and shall advise the Vice-Chancellor and Executive Council on all extension education matters. The Vice-Chancellor is the ex-officio Chairman and Director of Extension Education is ex-officio member Secretary to the Extension and Continuing Education Council. The fifteenth meeting of Extension & Continuing Education Council was held on 4th May 2024.

The Extension and Continuing Education Council is comprised of following members as on 31.03.2025.

1	Dr. N. V. Patil Hon'ble Vice-Chancellor, MAFSU, Nagpur	Ex-Officio Chairman
2	Dr. A. U. Bhikane Director of Extension Education, MAFSU, Nagpur	Ex-Officio Member Secretary
3	Dr. N. V. Kurkure Director of Research, MAFSU, Nagpur	Ex-Officio Member
4	Dr. S. V. Upadhye DI & Dean, Faculty of Veterinary Science, MAFSU, Nagpur	Ex-Officio Member
5	Dr. S.V. Upadhye Dean (Faculty of Veterinary Science), MAFSU, Nagpur	Ex-Officio Member
6	Dr. S. W. Bonde Dean, Faculty of Lower Education, MAFSU, Nagpur	Ex-Officio Member
7	Dr. P. G. Wasnik Dean, Faculty of Dairy Technology, MAFSU, Nagpur	Ex-Officio Member
8	Dr. S. W. Bonde Dean, Faculty of Fishery Science, MAFSU, Nagpur	Ex-Officio Member
9	Secretary, Rural Development, M. S. Mumbai	Ex-Officio Member
10	Commissioner, Animal Husbandry M. S., Pune	Ex-Officio Member
11	Commissioner, Dairy Development M. S., Mumbai	Ex-Officio Member
12	Commissioner, Fisheries, M. S., Mumbai	Ex-Officio Member
13	Commissioner, Agriculture, M.S., Pune	Ex-Officio Member
14	Dr. S. D. Ingole Associate Dean, MVC, Mumbai	Ex-Officio Member
15	Dr. A. P. Somkuwar Associate Dean, NVC, Nagpur	Ex-Officio Member
16	Dr. S. R. Rajurkar Associate Dean, COVAS, Parbhani	Ex-Officio Member
17	Dr. N. Z. Gaikwad Associate Dean, COVAS, Udgir, Dist. Latur	Ex-Officio Member
18	Dr. V.S. Waskar Associate Dean, KNPCVS, Shirval, Dist. Satara	Ex-Officio Member
19	Dr. C. H. Pawshe Associate Dean, PGIVAS, Akola	Ex-Officio Member
20	Dr. P. A. Telvekar Associate Dean, COFS, Nagpur	Ex-Officio Member



21	Dr. B. R. Kharatmol Associate Dean, COFS, Udgir, Dist. Latur	Ex-Officio Member
22	Dr. P. G. Wasnik Associate Dean, CDT, Warud (Pusad), Dist. Yavatmal	Ex-Officio Member
23	Dr. M. R. Patil Associate Dean, CDT, Udgir, Dist. Latur	Ex-Officio Member
24	Director of Extension Education, PDKV, Akola	Ex-Officio Member
25	Director of Extension Education, BSKKV, Dapoli, Dist. Ratnagiri	Ex-Officio Member
26	Director of Extension Education, VNMKV, Parbhani	Ex-Officio Member
27	Director of Extension Education, MPKV, Rahuri, Dist. Ahmadnagar	Ex-Officio Member
28	Dr. Ranjay K. Singh, Assistant Director General (Agri. Extension), Division of Agricultural Extension, ICAR, Pusa, New Delhi.	Nominated Member
29	Dr. V. Sridhar Senior General Manager, NDDDB, Civil Lines, Nagpur	Nominated Member
30	Mr. Manoj Jain, Programme Executive, Doordarshan Kendra, Nagpur	Nominated Member
31	Managing Director, Punyashlok Ahilyadevi Sheep and Goat Development , Ghokale Nagar, Pune	Nominated Member
32	Dr. R. S. Masali C/o Compound Livestock Feed Manufacturers Association of India, Nariman Point, Mumbai	Nominated Member
33	Dr. Mahesh Keshavrav Bhondge Plot No.33, Atrey Layout, Pratap nagar, Nagpur	Nominated Member
34	Dr. J. B. Prajapati Chairman, IDA (WZ) & Coordinator, SASNET-FF Dairy Microbiology Department, SMC College of Dairy Science, Anand Agricultural University Campus, Anand	Nominated Member
35	Dr. Nitin Thoke, Training Coordinator, Krishi Vigyan Kendra YCMOU, Nasik	Nominated Member
36	Prof. Rekha Sen Sharma, Director, School of Continuing Education Academic Complex, IGNOU, New Delhi	Nominated Member
37	Mr. Majidkhan Rajjak Pathan At Post. Loni Devkar, Tal. Indapur, Dist. Pune	Nominated Member
38	Shri. Ravishankar Sahasrabudhe, Ravet, Tal.Haveli Dist. Pune, Maharashtra	Nominated Member
39	Shri. Ravindra Metkar Mhasala, Anjangaon Bari Road, Badnera, Dist. Amravati	Nominated Member
40	Shri. Bhagwat Devsarkar Lingapur, Tal. Hadgaon, Dist. Nanded, Maharashtra	Nominated Member



2.6 ESTABLISHMENT

The University has 1976 sanctioned posts of Academic officers and non-teaching officers/ employees of which 631 posts were filled in and 1345 posts were vacant on 31.03.2025.

A. University Statutory Officers

The details of University Officers holding the Statutory positions are given in Table 2.1. as on 31.03.2025.

Table 2.1: Details of Officers holding statutory positions in MAFSU

Sr. No.	Name of the Position (sanctioned)	Name of the Officer	Selection Process
1.	Vice-Chancellor	Dr. N. V. Patil	Regular Appointment (Tenure Post)
2.	Director of Instructions	Dr. S. V. Upadhye	Additional charge
3.	Director of Research	Dr. N. V. Kurkure	Regular Appointment (Tenure Post)
4.	Director of Extension Education	Dr. A. U. Bhikane	Regular Appointment (Tenure Post)
5.	Dean, Faculty of Veterinary Science	Dr. S. V. Upadhye	Regular Appointment (Tenure Post)
6.	Dean, Faculty of Dairy Technology	Dr. P. G. Wasnik	Additional charge
7.	Dean, Faculty of Fishery Science	Dr. S. W. Bonde	Additional charge
8.	Dean, Faculty of Lower Education	Dr. S. W. Bonde	Additional charge
9.	University Librarian	Prof. S. N. Gawande	Additional charge
10.	Registrar	Ms. Mona K. Thakur	On Deputation from State Govt.
11.	Comptroller	Mrs. Manisha Shende	On Deputation from State Govt.
12.	University Engineer	Mr. Arif Sheikh	On Deputation from State Govt.
13.	Director Students Welfare	Dr. R. P. Limsay	Additional charge

B. Academic Officers

The University has 788 sanctioned posts of Academic Officers which includes the Director, Deans, Associate Deans, Professors, Associate Professors, Assistant Professors and Equivalents. Out of 788 sanctioned posts 478 are lying vacant as on 31st March 2025 (Table 2.2.)

Table 2.2. Details of sanctioned, filled in and vacant positions of Academic officers

Sr. No.	Establishment	Number of Posts		
		Sanctioned	Filled	Vacant
1.	University Head Quarter, Nagpur	13	03	10
2.	Mumbai Veterinary College, Mumbai	124	52	72
3.	Nagpur Veterinary College, Nagpur	110	58	52
4.	College of Veterinary & Animal Sciences, Parbhani	117	49	68
5.	College of Veterinary & Animal Sciences, Udgir	80	33	47
6.	KNP College of Veterinary Science, Shirwal	85	40	45
7.	College of Veterinary & Animal Sciences, Akola	97	28	69
8.	College of Dairy Technology, Warud (Pusad)	32	15	17
9.	College of Dairy Technology, Udgir, Dist. Latur	32	04	28
10.	College of Fishery Science, Nagpur	35	10	25
11.	College of Fishery Science, Udgir	35	08	27
12.	Cattle Breeding Farm, Igatpuri	04	01	03
13.	Cattle Breeding Farm, Nagpur	04	03	01
14.	Cattle Breeding Farm, Udgir	04	01	03
15.	Cattle Breeding Farm, Borgaon Manju (Akola)	04	01	03



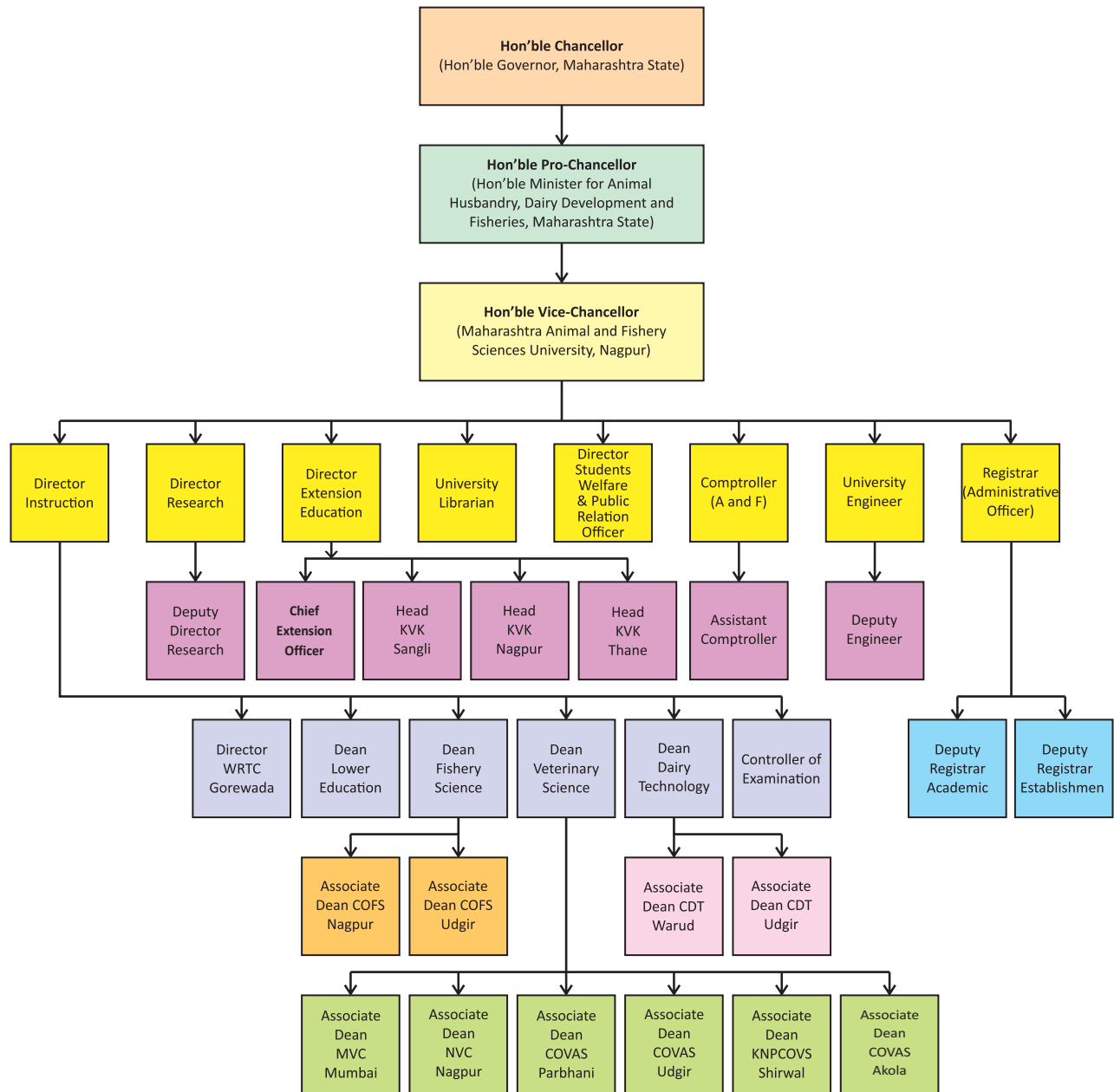
16.	University Sub-Centre, Udgir	03	01	02
17.	Wildlife Research and Training Centre, Gorewada	09	03	06
Total		788	310	478

C. Non-Teaching Officers / Employees

The non-teaching officers/ staff include ministerial staff and the professionals in supporting activities of college laboratories, farms, WRTC and KVKs. The University has the sanctioned posts of 1188 non-teaching supporting staff where 321 posts are filled in as on 31st March 2025 (table 2.3).

Table 2.3. Details of sanctioned, filled in and vacant positions of non-teaching posts in the University

Sr. No.	Establishment	Number of Posts		
		Sanctioned	Filled	Vacant
1.	University Head Quarter, Nagpur	145	58	87
2.	Mumbai Veterinary College, Mumbai	184	55	129
3.	Nagpur Veterinary College, Nagpur	127	50	77
4.	College of Veterinary & Animal Sciences, Parbhani	138	24	114
5.	College of Veterinary & Animal Sciences, Udgir	104	21	83
6.	KNP College of Veterinary Science, Shirwal	128	46	82
7.	College of Veterinary & Animal Sciences, Akola	108	23	85
8.	College of Dairy Technology, Warud (Pusad)	48	12	36
9.	College of Dairy Technology, Udgir, Dist. Latur	27	02	25
10.	College of Fishery Science, Nagpur	36	13	23
11.	College of Fishery Science, Udgir, Dist. Latur	31	05	26
12.	Cattle Breeding Farm, Igatpuri	22	03	19
13.	Cattle Breeding Farm, Nagpur	25	01	24
14.	Cattle Breeding Farm, Udgir	23	01	22
15.	Cattle Breeding Farm, Borgaon Manju (Akola)	21	03	18
16.	University Sub-Centre, Udgir	14	03	11
17.	Wildlife Research and Training Centre, Gorewada	07	01	06
Total		1188	321	867



Administrative Set up of MAFSU



2.7 SUPPORTING UNITS

2.7.1 University Level Supporting Units

- Board of Examination
- Grievance Committee for the University Employees
- University Employees Welfare Committee
- Students Welfare Committee
- Standing Committee for Finance, Budget, Development and Planning
- Works Committee
- Legal Committee
- Special cell for Scheduled Castes and Scheduled Tribes
- Library and Information Center
- Ombuds person
- Committee for Prevention of Sexual Harassment of Women at workplace

2.7.2 College Level Supporting Units

- Advisory Council of Associate Deans of Constituent Colleges
- Committee for Prevention of Sexual Harassment of Women at workplace
- Institute Ethics Committee for experiments on animals
- Farm Advisory Committee
- Antiragging Cell
- Internal Quality Assurance System
- Institutional Biosafety Committee
- Student Grievance Redressal Cell

2.8 CONSTITUENT COLLEGES/ INSTITUTES

The University has six Veterinary colleges, two each Dairy Technology and Fishery Science Colleges, one WRTC, Gorewada and three KVKs (Table 2.4)

Table 2.4: Details of the constituent institutes, their year of establishment & courses offered by them.

Sr. No.	Name of College	Year of Establishment	Courses offered/activities
1.	Mumbai Veterinary College, Mumbai	1886	B.V.Sc. & A. H., M.V.Sc., Ph. D.
2.	Nagpur Veterinary College, Nagpur	1958	B.V.Sc. & A. H., M.V.Sc., Ph. D.
3.	College of Veterinary and Animal Sciences, Parbhani	1972	B.V.Sc. & A. H., M.V.Sc., Ph. D.
4.	College of Veterinary and Animal Sciences, Udgir	1987	B.V.Sc. & A. H., M.V.Sc., Ph. D.
5.	Krantisinh Nana Patil College of Veterinary Science, Shirwal	1988	B.V.Sc. & A. H., M.V.Sc., Ph. D.
6.	College of Veterinary and Animal Sciences, Akola	1969	B.V.Sc. & A. H., M.V.Sc., Ph. D.
7.	College of Dairy Technology, Warud	1992	B. Tech. (Dairy Technology), M.Tech.
8.	College of Dairy Technology, Udgir	2008	B. Tech. (Dairy Technology)
9.	College of Fishery Science, Nagpur	2006	B.F.Sc.
10.	College of Fishery Science, Udgir	2007	B.F.Sc.



11.	Wildlife Research & Training Centre, Gorewada, Nagpur	2015	Research & Extension
12.	Krishi Vigyan Kendra, Tadsar, Tal. Kadegaon, Dist. Sangli	2019	Research & Extension
13.	Krishi Vigyan Kendra, Dudhburdi, Tal. Kalmeshwar, Dist. Nagpur	2020	Research & Extension
14.	Krishi Vigyan Kendra, Nagaon Tal. Murbad, Dist. Thane	2021	Research & Extension

2.9 WEBSITE

The website of the University and constituent colleges are restructured and the website of WRTC and KVKs are newly designed to suit the need of all the stakeholders including the farming community. All the new websites are dynamic and has the latest features like search optimization, office management system and modern outlook. Apart from all information related with the education, research and extension, it has some unique features like extension literature in the form of posters, leaflets with QR code for the farmers on various issues from animal husbandry including poultry, dairy technology and fisheries. It also has success stories of farmers, advisory for the farmers and information related with animal husbandry, dairy technology and fisheries in the form of frequently asked questions. It also has University publications like MAFSU VARTA, MAFSU Diary, Annual Report and MAFSU Calendar. All institutes of MAFSU are linked with the University website.

The websites domains of the University and its constituent institutes are given below:

- | | | |
|-----|---|--|
| 1. | MAFSU University | : www.mafsu.ac.in |
| 2. | Mumbai Veterinary College, Mumbai | : www.mvcmafsu.ac.in |
| 3. | Nagpur Veterinary College, Nagpur | : www.nvcmafsu.ac.in |
| 4. | College of Veterinary and Animal Science, Parbhani | : www.covaspbmafsu.ac.in |
| 5. | College of Veterinary and Animal Science, Udgir | : www.covasudgmafsu.ac.in |
| 6. | KNP Veterinary College, Shriwal | : www.knpcvsmafsu.ac.in |
| 7. | College of Veterinary and Animal Sciences, Akola | : www.covasaklmafsu.ac.in |
| 8. | College of Dairy Technology, Warud (Pusad) | : www.cdtwarudmafsu.ac.in |
| 9. | College of Dairy Technology, Udgir | : www.cdtudgmafsu.ac.in |
| 10. | College of Fishery Science, Nagpur | : www.cofsnpgmafsu.ac.in |
| 11. | College of Fishery Science, Udgir | : www.cofsudgmafsu.ac.in |
| 12. | Wildlife Research and Training Centre, Gorewada, Nagpur | : www.wrtcmafsu.ac.in |
| 13. | Krishi Vigyan Kendra, Sangli | : www.sangli2.kvk8.in |
| 14. | Krishi Vigyan Kendra, Nagpur | : www.nagpur2.kvk8.in |
| 15. | Krishi Vigyan Kendra, Thane | : www.thane.kvk8.in |





3. EDUCATION

3.1 HIGHER EDUCATION

The Maharashtra Animal and Fishery Science University is having three faculties namely Veterinary Science and Animal Husbandry, Fishery Sciences and Dairy Technology with ten constituent colleges at different locations of the Maharashtra state. The six veterinary colleges are Mumbai Veterinary College, Mumbai, Nagpur Veterinary College, Nagpur, College of Veterinary and Animal Sciences, Parbhani, College of Veterinary and Animal Sciences, Udgir, Kranti Sinh Nana Patil College of Veterinary Science, Shirwal and College of Veterinary and Animal Sciences, Akola, two dairy technology colleges viz. College of Dairy Technology, Warud, Dist Yeotmal and College of Dairy Technology, Udgir, Dist. Latur and two fishery colleges viz. College of Fishery Science, Nagpur and College of Fishery Science, Udgir, Dist. Latur.

Maharashtra Animal and Fishery Sciences University, Nagpur has been constituted under of Maharashtra Animal and Fishery Sciences University Act, 1998 (Maharashtra Act XVII). The university offers a range of academic programmes including three undergraduate degrees, two postgraduate degrees, and one Doctor of Philosophy (Ph.D.) programme.

3.1.1 Courses Offered

Maharashtra Animal and Fishery Sciences University is offering Bachelor of Veterinary Science and Animal Husbandry (B.V.Sc. & A.H.) degree course with a span of five and a half academic years and includes a compulsory one-year internship. The curriculum and syllabus follow the Minimum Standards of Veterinary Education – 2016 (MSVE-2016) prescribed by the Veterinary Council of India, New Delhi.

Bachelor of Fisheries Science (B.F.Sc.) programme extends over four complete academic years and includes the Student READY Programme (Rural and Entrepreneurship Awareness Development Yojana). Bachelor of Technology in Dairy Technology [B.Tech. (D.T.)] a four-year degree programme, including the Student READY Programme.

University offers masters programme i.e. M. V. Sc. degree course (Master of Veterinary Science) and M. Tech. degree course {Masters in Technology (Dairy)} programme each consisting of curriculum and syllabus spread over two complete academic years.

A Ph.D. degree course consisting of curriculum and syllabus spread over three complete academic years (for regular candidates and In-service candidates of State Government) and four complete academic years for MAFSU In-service candidates is also provided by the university.

3.1.2 Skill Based Training

Practical Training and Skill Development

Students enrolled in various degree programmes at the university receive extensive hands-on training through a range of initiatives, including internship programmes, fisheries industrial and rural work experience programmes, and in-plant training. These are implemented across different faculties, creating a dynamic and experiential education system aimed at transforming students into self-reliant professionals and entrepreneurs. This approach helps develop practical skills and theoretical



knowledge, aligning education with the evolving needs of society. The university places a strong emphasis on making education more skill-oriented, problem-solving, and self-exploratory. The goal is to foster an entrepreneurial mindset and a business-oriented approach to services, enabling students to effectively respond to the emerging challenges of a competitive market.

Furthermore, the university welcomes not only students from across India but also extends its academic opportunities to foreign nationals and Non-Resident Indians (NRIs), promoting global engagement and diversity in its educational environment.

3.1.3 Eligibility, Intake Capacity and Admissions

1. Bachelor of Veterinary Science & Animal Husbandry (B.V.Sc. & A.H.)

Candidates who have passed XII Standard (10 + 2) with minimum 50% marks for Unreserved category and 47.50% marks for reserved category in Physics, Chemistry, Biology or Biotechnology and English taken together and have appeared for National Eligibility Cum Entrance Test NEET (UG) of respective admission year conducted by National Testing Agency, New Delhi are eligible for admissions to B.V.Sc & A.H. degree course.

The student intake capacity for Bachelor of Veterinary Science & Animal Husbandry (B.V.Sc & A.H.) degree course for the year 2024-25 was 480.

Total [Intake capacity (480) + over and above- (10 NRI students), Total 490] whereas 477 students were admitted of which 310 were male candidates and 167 were the female candidates.

In the Mumbai Veterinary College total 105 students were admitted whereas in Nagpur Veterinary College, Nagpur 82 students were admitted. In COVAS Parbhani, COVAS Udgir and KNP College of Veterinary Science, Shirwal a total of 81, 63 and 66 students were admitted, respectively whereas as the newly started College of Veterinary & Animal sciences Akola enrolled total 80 students in its first academic year only (Table 3.1).

2. Bachelor of Technology (Dairy Technology) [B. Tech (DT)]

Candidates who have passed XII Standard (10 + 2) with 50% marks for unreserved category and 40% marks for reserved category in Physics, Chemistry, Mathematics and English taken together are eligible for admission to B. Tech (DT) degree course. Further, the candidates should have also appeared for MHT-CET conducted by State CET Cell, Mumbai for that respective academic year.

The student intake capacity for Bachelor of Technology (Dairy Technology) [B. Tech (DT)] in two colleges of Dairy Technology, at Warud and Udgir was 33 each (and 10 NRI students over and above the intake capacity) during the year 2024-25.

In the year 2024-25 total 62 students were admitted for B. Tech (DT) degree course from which 44 were males and 18 were females. In the College of Dairy Technology, Warud and College of Dairy Technology, Udgir 31 students each were admitted (Table 3.1).

3. Bachelor of Fishery Science (B.F.Sc.)

Candidates who have passed XII Standard (10 + 2) with 50% marks for unreserved category and 40% marks for reserved category in Physics, Chemistry, Biology and English taken together are eligible for admission to B.F.Sc degree course. Further, the candidates should have also appeared for MHT-CET conducted by State CET Cell, Mumbai for that academic year.

For the degree course of Bachelor of Fishery Science (B.F.Sc.) the student intake capacity in two



colleges at Nagpur and Udgir were 33 each (and 10 NRI students over and above the intake capacity) during the year 2024-25. In B.F.Sc. degree course total 57 students were admitted from which 30 were males and 27 were females. In the College of Fishery Science, Nagpur 30 students were admitted whereas in College of Fishery Science, Udgir 27 students were admitted (Table 3.1).

Table 3.1 Faculty and college-wise student intake capacity and admissions for undergraduate degree courses during 2024-25

Sr. No.	Name of College	Intake capacity	No. of Admitted Students		
			Male	Female	Total
Bachelor of Veterinary Science & Animal Husbandry (B.V.Sc. & A.H.)					
1.	MVC, Mumbai	106	66	39	105
2.	NVC, Nagpur	81	55	27	82
3.	COVAS, Parbhani	83	56	25	81
4.	COVAS, Udgir	65	43	20	63
5.	KNPCVS, Shirwal	65	39	27	66
6.	COVAS, Akola	80	51	29	80
	Total	480(10*)	310	167	477
Bachelor of Technology (Dairy Technology) [B. Tech (DT)]					
1.	CDT, Warud	33	20	11	31
2.	CDT, Udgir	33	24	07	31
	Total	66(10*)	44	18	62
Bachelor of Fishery Science (B.F.Sc.)					
1.	COFS, Nagpur	33	16	14	30
2.	COFS, Udgir	33	14	13	27
	Total	66(10*)	30	27	57
	Grand Total	612	384	212	596
(*NRI Seats)					

4. Master of Veterinary Science (M.V.Sc.)

The candidates who have passed B.V.Sc & A.H. with CGPA 6.00 for unreserved category and 5.50 for constitutionally reserved category in 10.00 point scale are eligible for admission to M.V.Sc. degree course. The admission of candidate to M.V.Sc. degree course shall be made on the basis of his / her merit in concerned group of subject in the All India Entrance Examination (AIEEA-2024) conducted by National Testing Agency, New Delhi. However candidate should be eligible to secure admission in any of the subject of concerned group.

The student intake capacity for Master of Veterinary Science degree course in 6 Veterinary Colleges is 222. The total number of students admitted in the year 2024-25 is 186 in which 117 were males and 69 were females. The total students admitted in the constituent colleges for M.V.Sc (Master of Veterinary Science) degree programme were 50, 32, 33, 21, 32 and 18 in Mumbai Veterinary College, Mumbai, Nagpur Veterinary College, Nagpur, College of Veterinary & Animal Sciences, Parbhani, College of Veterinary & Animal Sciences, Udgir, KNP College of Veterinary Science, Shirwal and Post Graduate Institute of Veterinary & Animal Sciences, Akola, respectively. (Table 3.2)



Table 3.2. Student intake capacity and admissions for M.V.Sc. degree course for the year 2024-25

Sr. No.	Name of College	Intake capacity	No. of Admitted Students		
			Male	Female	Total
1.	MVC, Mumbai	52	26	24	50
2.	NVC, Nagpur	41	21	11	32
3.	COVAS, Parbhani	40	23	10	33
4.	COVAS, Udgir	28	14	07	21
5.	KNPCVS, Shirwal	37	22	10	32
6.	COVAS, Akola	24	11	07	18
Total		222	117	69	186

5. Master of Technology (Dairy Technology) [M. Tech]

The candidates who have passed B. Tech (DT) with CGPA 6.00 for unreserved category and 5.50 for constitutionally reserved category in 10.00 point scale are eligible for admission to M. Tech degree course.

The admission of candidate to M. Tech. (Dairy) degree course shall be made on the basis of his / her merit in concerned group of subject in the All India Entrance Examination for Admission (AIEEA-2024) conducted by National Testing Agency, New Delhi.

The intake capacity of M. Tech. (Dairy Technology) degree programme is 08, having 02 seats each in Dairy Technology, Dairy Engineering, Dairy Microbiology and Dairy Chemistry in College of Dairy Technology, Warud.

6. Doctor of Philosophy in Veterinary Science (Ph. D.)

All the desirous candidates (Regular and In-service) must have passed M.V.Sc. degree course with CGPA 7.00 and 6.50 in 10.00 point scale for Unreserved and Reserved Category respectively. The candidates desirous to seek admission to Ph.D. Degree Course shall have to appear for the "AICE-JRF/SRF (Ph.D.) – 2024. The marks obtained in AICE-JRF/SRF (Ph.D.) – 2024 examination shall be considered for the admission to Ph.D. Degree Course.

The intake capacity of Ph.D. Degree programme is 27, 11 & 10 seats for University quota, ICAR quota and NRI/FN/PIO (over & above) quota, respectively. Doctor of Philosophy in Veterinary Science (Ph.D.) is offered in 17 departments.

In the year 2024-25 total 05 students were admitted in the university with 01 seat each in Mumbai Veterinary College, Mumbai, KNP College of Veterinary Science, Shirwal and Post Graduate Institute of Veterinary & Animal Sciences, Akola, and 02 seats at Nagpur Veterinary College, Nagpur.

Table 3.3 College wise Number of students admitted for Ph.D. during the year 2024-25

College Name	MVC Mumbai		NVC Nagpur		COVAS Parbhani		COVAS Udgir		KNPCVS Shirwal		PGIVAS Akola		Total
Intake capacity	11		12		05		01		05		04		38*
	M	F	M	F	M	F	M	F	M	F	M	F	
	1	0	1	1	0	0	0	0	1	0	1	0	05

*10 NRI seats over and above the intake capacity



3.1.4 Students passed out

1. Undergraduate Students

During the year 2024-25, total 485 undergraduate students including 313 males and 169 females from different streams passed out from University wherein 381 students were from Veterinary Faculty (B.V.Sc & A.H.), 47 students from Dairy Technology Faculty (B. Tech.) and 57 students from Fishery Science Faculty (B.F.Sc) (Table 3.4).

Table 3.4 Faculty and college-wise undergraduate students passed out during 2024-25

Sr. No.	Name of College	No. of Students passed out		
		Male	Female	Total
Bachelor of Veterinary Science & Animal Husbandry (B.V.Sc. & A.H.)				
1.	MVC, Mumbai	51	52	103
2.	NVC, Nagpur	54	25	79
3.	COVAS, Parbhani	53	21	74
4.	COVAS, Udgir	46	18	64
5.	KNPCVS, Shirwal	45	16	61
Total		249	132	381
Bachelor of Technology (Dairy Technology) [B. Tech (DT)]				
1.	CDT, Warud	18	09	27
2.	CDT, Udgir	14	06	20
Total		32	15	47
Bachelor of Fishery Science (B.F.Sc.)				
1.	COFS, Nagpur	19	12	31
2.	COFS, Udgir	16	10	26
Total		35	22	57
Grand Total		313	169	485

2. Post-graduate students

A total of 204 students completed their M.V.Sc. in the year 2024-25, out of which 125 were males and 79 were females (Table 3.5).

Table 3.5 Faculty and College-wise Post Undergraduate Students passed out during 2024-25

Sr. No.	Name of College	No. of Students passed out		
		Male	Female	Total
Master of Veterinary Science (M.V.Sc.)				
1.	MVC, Mumbai	25	18	43
2.	NVC, Nagpur	21	21	42
3.	COVAS, Parbhani	23	17	46
4.	COVAS, Udgir	13	08	21
5.	KNPCVS, Shirwal	25	06	31
6.	COVAS, Akola	18	09	27
Total		125	79	204



3. Doctoral Students

In the year 2024-25, a total of 09 students completed their Ph. D. from 03 constituent veterinary colleges of MAFSU (Table 3.6).

Table 3.6 Doctoral (Ph. D.) Students passed out during 2024-25

Sr. No.	Name of College	No. of Students passed out		
		Male	Female	Total
1.	MVC, Mumbai	03	01	04
2.	NVC, Nagpur	01	NIL	01
3.	COVAS, Parbhani	04	NIL	04
Total		08	01	09

3.1.5 Facilities for Students

The various facilities available in constituent colleges for students are as follows

1. Classrooms

The University has 61 well-furnished classrooms across its 10 constituent colleges for undergraduate students, including 37 traditional classrooms and 24 smart classrooms.

Smart classrooms are designed to prepare students for the digital age by fostering collaboration, creativity, and critical thinking. They create an engaging blended learning environment by integrating multimedia tools such as animations, videos, and interactive exercises. These classrooms support personalized instruction while promoting collaborative learning, making education more dynamic and effective.



Hi-tech class room facility with smart screen for teaching at Nagpur Veterinary College, Nagpur



Examination Hall, COFS, Udgir

2. Laboratory Facilities

The constituent colleges have well equipped laboratory facilities for imparting hands-on skill for the undergraduate, postgraduate and doctoral students. The departmental laboratories have the basic facilities like automated blood autoanalyser, biochemistry analyzer, urine analyzer etc. as basic instrumentation along with advanced facilities which provides the services of rapid identification of bacteria based on proteomic principles using MALDI TOF MS, RT-PCR, FAT, HD Microphotography, Lyophilisation of bacterial cultures, plant extracts/antibacterial components for research projects of students.

These state of art laboratories have facilities for routine analysis of milk, blood, urine, fecal



samples, fodder and feed samples, soil and water samples. These laboratories also provide the services to the farmers such as brucella testing using RBPT, Diagnosis of endo and ectoparasitic infection, Haemoprotozoan infection, Antibiotic Sensitivity Test for Mastitis (Bacterial and fungal), pus from chronic wounds and other infectious conditions in animals.



Gynaecology Laboratory, NVC, Nagpur



Anatomy Laboratory, NVC, Nagpur



Aquatic Environment Management Laboratory,
COFS, Nagpur



Microbiology laboratory at COVAS, Udgir

3. Veterinary Clinical Complex Facilities

The veterinary clinical complex is the essential and largest academic component of the university. This clinical complex is managed with the most modern clinical and academic facilities keeping in view of the norms of Veterinary Council of India (VCI). The Undergraduate Graduate programme at College of Veterinary science and Animal sciences includes basic and applied training in handling of clinical cases and to undertake diagnostic techniques, evaluation and interpretation of laboratory results, correlating them with clinical findings for correct diagnosis, treatment and prediction of prognosis.

The VCC in conjunction with clinical departments is well equipped with a Large and Small Animal Medicine Clinic, a Large and Small Animal Surgical Clinic, Artificial Insemination and Infertility Clinic, a Wildlife Medicine facility, a Diagnostic Laboratory facility with various instruments like fully automated blood auto-analyzer, Biochemistry analyzer and Urine analyzer. The treatment and operation theatre facilities include various instruments like Doppler Ultrasonography, Electrocardiography, Endoscopy, Laparoscopy, Radiography, C Arm, Ultrasonography, Pulse oximeter, Digital BP Apparatus, Vital Sign Patient Monitor, Ophthalmoscope and Otoscope dental scaling, echocardiography are the key features of the advance modalities. The VCC facility at Nagpur is having the separate Critical Care Unit. The facilities of blood transfusion and dialysis are routine features of the VCC.



Fig. 3.7. Pet Animal Surgery, NVC, Nagpur



Fig. 3.8. Gelding (Castration in horse) Operation, NVC, Nagpur



Well-equipped Small Animal Operation Theatre and Radiology unit at COVAS, Akola



TVCC facility at Mumbai Veterinary College

4. Library Facilities

The University Library and Information Centre were established in 2001 at the University headquarters with the mission to acquire, organize, disseminate, and preserve information resources for present and future users. At present, the University Library renders services and disseminates information to six Veterinary Colleges, two Colleges of Fishery Sciences, two Colleges of Dairy Technology and one Postgraduate Institute of Veterinary Science. These services are facilitated through a cloud-based Library Management System – KOHA LMS.

The Library has a total built-up area of 3,261.51 m², distributed as 1,118.60 m² on the ground floor, 1,071.24 m² on the first floor and 1,074.67 m² on the second floor. The building provides spacious



reading facilities on each floor along with a stacking area under the open access system. Separate reading rooms are available for students and staff, and the student reading hall remains open round the clock throughout the year.

The Library offers full textbook support through the Book Bank and Reference Book services. Entered Collection is RFID-enabled with facilities for automated issue and return, supported by a drop box for convenient returns. The entire thesis collection has been digitized and uploaded on the ICAR repository “Krishikosh”. IDEAL, e-books, e-journals, open access journals, databases and an Online Public Access Catalogue (OPAC) for browsing the library collection. Entire e-resources are accessible to stakeholders via remote access technology app “MyLOFT”. University become a member of the “PM One Nation One Subscription consortium scheme”, implemented for all constituent colleges of MAFSU; the n-number of e-Journals/e-resources of 30 national and international publishers are accessible for stakeholders. Separate section has been developed for Bioinformatics applications in Veterinary, Dairy and Fishery Sciences.

The Central Library facility is located at the University Headquarters, Nagpur, catering to the students of Nagpur Veterinary College, Nagpur, the College of Fishery Science, Nagpur and other constituent colleges. In addition, each of the remaining eight constituent colleges maintains a separate library to serve the academic requirements of its students and faculty.

University Library is having 36,205 Print books with 106 newly purchased, with sufficient numbers of relevant textbooks including 1024 e-books, 43 Print Journals and 06 newly purchased, and total of 9,132 other publications which includes PG and Ph.D. dissertations and bound volumes related to Animal Science, Fisheries and Dairy Technology. Library is also having electronic database like CD-ROM Database, VET, BEST, FSTA (1969 to March 2017 CD).



University Library Building, MAFSU, Nagpur



Entrance view of University Library



Reading hall of University Library



University and other publications display at University Library



Library facilities at CDT, Udgir



Library facilities at COVAS, Parbhani

5. Hostel Facilities

The University provides hostel accommodation for students coming from outside the college locations, with continuous efforts to expand and upgrade the existing facilities. At present, there are 19 hostels across the constituent colleges, comprising 8 boys' hostels with 509 rooms and 11 girls' hostels with 256 rooms, accommodating a total of 995 boys and 532 girls.



The hostels are well-equipped with dining halls, Wi-Fi connectivity, CCTV surveillance, RO water purifiers with coolers, hot water systems, and recreational amenities such as television, indoor games, and sports equipment. Each room is furnished with an individual bed, cupboard, chair, and table to ensure a comfortable stay. In addition, a fully furnished international students' hostel is available at Nagpur Veterinary College, providing modern residential facilities to cater to the needs of overseas students.

Table 3.7 Number of boys and girl students accommodated in Hostels

Sr. No.	Name of College	Boys Hostel		Girls Hostel	
		No. of Rooms	No. of Student	No. of Rooms	No. of Student
1.	MVC, Mumbai	101	198	44	123
2.	NVC, Nagpur campus	121	237	63	142
3.	COVAS, Parbhani	121	230	62	116
4.	COVAS, Udgir campus	60	118	47	71
5.	KNPCVS, Shirwal	78	156	22	44
6.	PGIVAS, Akola	13	26	10	20
7.	CDT, Warud	15	30	08	16
	Total	509	995	256	532



Dining Hall facility in boys Hostel at NVC Nagpur



Rajmata Jijau Girls Hostel at COVAS Udgir



Boys Hostel at BVC, Mumbai



Girls Hostel at COVAS, Parbhani



Girls Hostel kitchen at NVC, Nagpur



Girls Hostel at NVC, Nagpur



PG Boys Hostel at NVC, Nagpur



Boys Hostel at PGIVAS, Akola

6. Sports and Gymkhana

Though the University runs professional degree programs, equal emphasis is placed on promoting a sports culture among students. Each college has a designated Sports Officer or Physical Education faculty member to guide and organize activities. Most of the colleges have spacious playgrounds, indoor and outdoor sports facilities, and well-equipped gymnasiums. Inter-Collegiate tournaments are regularly conducted in Chess, Table Tennis, Badminton, Kabaddi, Volleyball, Basketball, Kho-Kho, and Cricket, and selected players are nominated to represent the University in Inter-University competitions.



Glimpses of sport activities in the colleges



Gymkhana and cricket ground at NVC, Nagpur

3.1.6 Twelfth Convocation of the University

Twelfth convocation of the Maharashtra Animal and Fishery Sciences University, Nagpur was held on 4th March, 2025 at Silver Jubilee Auditorium, Nagpur Veterinary College, Nagpur.

Shri C. P. Radhakrishnan, Hon'ble Chancellor of MAFSU & Hon'ble Governor of Maharashtra State presided over the Convocation. Acclaimed scientist Padma Vibhushan Dr. Anil Kakodkar, Chancellor of Homi Bhabha National Institute, Chairman of Rajiv Gandhi Science & Technology Commission and Former Chairman of the Atomic Energy Commission was the Chief Guest and delivered the convocation address. Mrs. Pankaja Munde, Hon'ble Pro-Chancellor of MAFSU and Minister of Animal Husbandry, Environment & Climate Change was the Guest of Honor. Dr. Prashant Narnaware, Secretary to the Governor and Dr. Ramaswami N., Secretary of Department of Animal Husbandry, Dairy Development and Fisheries were the Special Guests.

“Former Vice-Chancellors of MAFSU, eminent dignitaries, senior university officers including Dr. Shirish Updhye, Director of Instructions & Dean (Veterinary Faculty); Dr. Nitin Kurkure, Director of Research; Dr. Anil Bhikane, Director of Extension Education; Dr. Sachin Bonde, Dean, Fishery Science; Dr. Prashant Wasnik, Dean, Dairy Technology; Smt. Mona Thakur, Registrar; and Dr. Bhushan Ramteke, Controller of Examinations, along with the staff of the University, students, and parents, were prominently present.”

“During the convocation, degrees were conferred upon a total of 703 graduates, comprising 380 students of B.V.Sc. & A.H., 57 students of B.F.Sc., 53 students of B.Tech. (Dairy Technology), 205 students of M.V.Sc., 01 student of M.Tech. (Dairy Technology), and 7 Ph.D. scholars in Veterinary Science. Meritorious graduates were honored with 30 Gold Medals, 8 Silver Medals, and 1 Cash Prize. Mr. Sahil, a B.V.Sc. graduate of Nagpur Veterinary College, received 6 Gold Medals and 3 Silver Medals, including the Gold Medal for securing First Rank in the B.V.Sc. & A.H. degree at the University. Ms. Aastha Mehta of Mumbai Veterinary College was awarded 2 Gold Medals and a Cash Prize of ₹25,000/-. Ms. Saranya, an M.V.Sc. student of Kranti Sinh Nana Patil College of Veterinary Science, Shirwal, received 2 Gold Medals, including the one for securing First Rank in the M.V.Sc. degree at the University.”

Dr. Niteen Patil, Hon'ble Vice-Chancellor delivered the introductory speech and presented the University's activity Report. Shri C. P. Radhakrishnan, Hon'ble Governor of Maharashtra and Mrs. Pankaja Munde, Hon'ble Pro-Chancellor of MAFSU and Minister of Animal Husbandry, Environment & Climate Change congratulated the parents and faculties for their support and encouragement in shaping the students journey.



Dignitaries on dias



Receipts of various medals from all faculties along with dignitaries



Shri C. P. Radhakrishnan, Hon'ble Chancellor of MAFSU & Hon'ble Governor of Maharashtra State addressing the students during Convocation



Mrs. Pankaja Munde, Hon'ble Pro-Chancellor of MAFSU and Minister of Animal Husbandry, Environment & Climate Change addressing students



Padma Vibhushan Dr. Anil Kakodkar, Chief Guest delivering Convocation address



Dr. Niteen Patil, Hon'ble Vice-Chancellor delivering introductory speech

3.2 LOWER EDUCATION

University imparting two year Livestock Management and Dairy Production (LMDP) diploma course in Marathi for SSC passed domicile students of Maharashtra through recognized institutes. The admission for this course is done entirely through online mode and this diploma course is initiated to inculcate the self-employment for the rural youth in the animal husbandry sector and to create the semi-technical supporting manpower for this sector. The university granted recognition to 110 schools during the year 2024-25. In all 5705 first year students were on roll while 4093 students passed out second year in the year 2024-25.



Table No. 3.8. Co-ordinating centre wise Schools, Intake Capacity, Admission and Pass out students (Year 2024-25).

Sr. No.	Sub Centers	No. of Schools	Intake Capacity			No. of Admitted			Total Passed		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	MVC, Mumbai	20	800	400	1200	1069	94	1163	824	47	871
2	NVC, Nagpur	08	320	160	540	255	78	333	256	19	275
3	COVAS, Parbhani	21	840	420	1260	1101	99	1200	800	42	842
4	COVAS, Udgir	12	480	240	720	589	37	626	455	14	469
5	KNPCVS, Shirwal	29	1060	580	1740	1338	79	1417	878	32	910
6	PGIVAS, Akola	13	520	260	840	522	61	583	373	51	424
7	CDT, Warud(P)	07	280	140	420	341	44	385	282	20	302
Total		110	4400	2200	6600	5215	492	5705	3868	225	4093

3.3 CAPACITY BUILDING OF FACULTY AND STAFF

Efforts are continuously made to train the faculty in their respective areas of interest as part of human resource development. Young faculty members are especially encouraged to participate in seminars, conferences, and training programmes not only within the country but also abroad. The University regularly deposes faculty members to such events. During the year, a total of 92 faculty members attended various training programmes, while 294 faculty members participated in conferences, symposia, workshops, seminars, and webinars.

Table No. 3.9 Details of participation of faculty member in HRD programmes

Sr. No.	Name of College	Number of faculty undergone training	Number of faculty participated in Conference/Symposium/Workshop /Seminar/ Webinar etc.	Total
1	MVC, Mumbai	14	32	46
2	NVC, Nagpur	23	63	86
3	COVAS, Parbhani	11	37	48
4	COVAS, Udgir	13	09	22
5	KNPCVS, Shirwal	10	114	124
6	PGIVAS, Akola	13	26	39
7	CDT, Warud	02	00	02
8	CDT, Udgir	01	06	07
9	COFS, Nagpur	00	02	02
10	COFS, Udgir.	04	03	07
11	WRTC, Gorewada	01	02	03
TOTAL		92	294	386





4. STUDENTS DEVELOPMENT

The Directorate of Students Welfare plays a pivotal role in the holistic development of students by organizing and encouraging participation in a wide range of co-curricular activities, including sports and games, cultural events, and research competitions. The Directorate works diligently to nurture and showcase the diverse talents of students, leading to a vibrant and dynamic campus environment. This dedicated effort has consistently resulted in enthusiastic participation and commendable representation of the University at various All India Level Competitions.

4.1 STUDENT COUNSELLING

The University has instituted a comprehensive system for the counselling and guidance of all students enrolled in its colleges. This process is initiated on the first day of the academic session through a structured Orientation Programme, tailored to each specific degree programme. As part of the counseling framework, a group of 8–10 students is assigned to a designated faculty member who serves as their academic advisor for the entire duration of the degree. Advisors conduct regular meetings with their assigned students at least once a month, and additional sessions are held as and when required, to provide academic, personal, and career-related guidance. This personalized approach ensures continuous monitoring of student progress and timely intervention whenever needed. The college has established a dedicated counseling system for aspiring students, particularly those from rural areas, to raise awareness about veterinary education. This initiative focuses on highlighting the scope, career prospects, and societal importance of the veterinary profession, thereby guiding students in making informed academic and career choices. Furthermore, a College-Level Admission Committee is constituted during the admission process to guide and assist aspiring students with their applications and admission-related queries.

The designated counselor addresses all types of student queries—academic, personal, or administrative—at their level. In cases where issues require further attention, the matter is escalated and discussed with the Associate Dean of the constituent college to ensure the concerns are resolved to the full satisfaction of the student. Additionally, to maintain transparent communication and foster parental involvement, the student-related activities and updates are shared with parents through WhatsApp groups.

4.2 SCHOLARSHIPS/ FELLOWSHIPS

Scholarships/Fellowships are awarded to as many students as possible that are fulfilling the prescribed eligibility criteria. Following are details for the year 2024-25. The Department of Science and Technology, Govt. of India is providing inspiration scholarship. Besides, private organizations are also providing scholarship to the students.

Various scholarships/ fellowships given to students are VJNT- GOI Scholarship, ST-GOI Scholarship, SC-GOI Scholarship, OBC-GOI Scholarship, VJNT- GOI Freeship, ST-GOI Freeship, SC-GOI Freeship, OBC-GOI Freeship, SBC-GOI Freeship, NTS, Rajarshi Chhatrapati Shahu Maharaj Shikshan Shulkh Shishyavrutti Yojna (EBC), Dr. Panjabrao Deshmukh Vasatigruh Nirvah Bhatta Yojna (MAFSU).

In the University, a total of 312 undergraduate and 45 postgraduate students received scholarships under the Rajashree Shahu Maharaj Shikshan Shulka Paratipurtri Yojna while 281 undergraduate and 46 postgraduate students were benefited under the Dr. Panjabrao Deshmukh



Vastigruha Nirvah Bhatta Yojna.

4.3 STUDENTS PERFORMANCE IN ALL INDIA ENTRANCE EXAMINATION

The students of the University appeared for All India Entrance Examination for Admission to Post Graduation Programme-2024-25(AIEEA-PG, 2024-25) conducted by Indian Council of Agricultural Research (ICAR),New Delhi. The students namely Mr. Mahesh Kolhe, Ms. Prachi Dube, Mr. Anmol Tomar and Ms. Swarali Chitnis from Nagpur Veterinary College, Nagpur excelled with 3, 41, 53 and 54 the all India rank in Animal Science group Ms. Karuna Bambode secured ICAR- ARS in Veterinary Physiology.

During the year 2024-25, Junior Research Fellowship was awarded to 4 students; two from KNPCVS, Shirwal and one each from COVAS, Parbhani and CDT, Udgir. Five students from COVAS, Akola cleared the NET examination.

4.4 STUDENTS PLACEMENT CELL

The Placement Cell plays a vital role in creating career opportunities for undergraduate and postgraduate students of the University by maintaining strong linkages with reputed firms and industrial establishments. Operating throughout the year, the Cell serves as a bridge between students and employers, ensuring effective communication and placement opportunities. The campus recruitment programme begins after the completion of the Internship Training Programme for undergraduates and the final semester for postgraduates. The recruitment process continues until the end of the course. Simultaneously, students are also guided and supported for off-campus interviews. Maharashtra Animal and Fishery Sciences University (MAFSU) has an excellent placement record with top-notch organizations in private dairy and poultry farms, pharmaceuticals, NGOs, the banking sector, dairy and food processing industries, as well as semi-government organizations. A strong and supportive alumni network, holding key positions in reputed companies, further strengthens placement prospects.

The Placement Cell not only ensures deserving students are placed in suitable jobs but also instills confidence and professional growth for their future careers. To enhance employability, the Cell organizes workshops and training on soft skills, personality development, group discussions (Gds), and personal interviews (PIs), guest lectures by renowned professionals and entrepreneurs to provide career guidance and industry insights. Career Updates through notices, job advertisements, and networking with various employment agencies. Our dedicated Placement Cell is constantly in touch with industries, working tirelessly to secure bright and rewarding futures for our students.



Organization of guest lecture at NVC, Nagpur



Campus interview at NVC campus



Campus interview at MVC Mumbai, campus

During the academic year 2024–25, students of Maharashtra Animal and Fishery Sciences University have shown commendable progress in terms of placements, higher education, and preparations for competitive examinations.

From the Faculty of Veterinary Science & Animal Husbandry, 199 students secured placements in reputed organizations, 242 students opted for higher studies, while 83 students are preparing for competitive examinations. From the Faculty of Dairy Technology, 34 students were successfully placed, 12 students pursued higher studies, and 05 students are preparing for competitive examinations. From the Faculty of Fishery Science, 14 students obtained placements, 19 students continued their higher education, and 24 students are preparing for competitive examinations.

This consistent progress reflects the University's commitment to facilitating career opportunities, encouraging higher education, and nurturing competitiveness among its students.

Table 4.1. Students Placement Profile status during 2024-25

Sr. No.	Name of College	Govt. Service	Private Industry	Self-employed	NGO's & Other Institutions	Higher Education	Students preparing for competitive examinations	Total
Faculty of Veterinary Science & Animal Husbandry								
1	MVC, Mumbai	-	06	02	23	31	26	88
2	NVC, Nagpur	17	20	01	01	60	20	119
3	COVAS, Parbhani	09	15	12	-	59	10	105
4	COVAS, Udgir	11	23	0	-	43	02	79
5	KNPCVS, Shirwal	01	01	01	35	49	04	91
6	PGIVAS, Akola	11	07	02	01	-	21	42
	Total	49	72	18	60	242	83	524
Faculty of Dairy Technology								
7	CDT, Warud	-	18	01	-	09	-	28
8	CDT, Udgir	-	15	-	-	03	05	23
	Total	-	33	01	-	12	05	51
Faculty of Fishery Science								
9	COFS, Nagpur	02	05	-	-	09	15	31
10	COFS, Udgir	-	05	02	-	10	09	26
	Total	02	10	02	-	19	24	57
	Grand Total	51	115	21	60	273	112	632



4.5 SPORTS AND CULTURAL ACTIVITIES

The Directorate of Students Welfare regularly undertakes the inter collegiate events of sports and cultural events at university level. The selected teams of the university every year participates in state level “Krida Mahotsava (Inter University Sports Event)” and “Indradhanushya (Inter University Cultural Event)”. The university cricket team and other games participate in various Inter University All India Level Competitions organized by AIU and ICAR.

Table 4.2. Details of participation of students in National/State level sports, research and cultural events during 2024-25.

Sr. No.	Event	Date	No of Participants			Host Institute
			Male	Female	Total	
1.	Indradhanushya – 2024	07-11 November, 2024	30	16	46	Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola
2.	Krida Mahotsav 2024	18-22 February, 2025	60	48	108	Gondwana University, Gadchiroli
3.	Aavishkar - 2024	12-15 January, 2025	11	05	16	Dr. Babasaheb Ambedkar Technological University, Lonere
4.	BOXING 2024 (AIU)	26 Dec, 2024 to 02 Jan, 2025	01	00	01	Guru Kashi University, Bhatinda (Punjab)
Total			102	69	171	



Students of NVC, Nagpur in Indradhanushya 2024



Students of NVC, Nagpur in Krida Mahotsav 2024





Dr. Padmja Tippa, M.V.Sc. student for poster presentation at COVAS, Udgir



Dr. Padmja Tippa, M.V.Sc. student for poster presentation at BATU, Lonere, Dist. Raigarh

Students of NVC, Nagpur in Avishkar 2024

4.6 NSS ACTIVITIES

1. NSS Strength allocated and Actual students enrolled for NSS

- NSS Strength allocated under Regular Activities by State Govt. for the Year : 1000
- Total No. of Colleges in University having NSS: 09
- Total No. of NSS units in University : 13
- Actual Enrolment during the Year: Male 586, Female 352, Total 938
- Category wise Enrolment: SC 115, ST 59, OBC 328, Minority 40, Others 396
- NSS Strength allocated under Special Activities by State Govt. for the Year : 500
- No. of participants in Special Camp : Male 272, Female 179, Total 451
- No. of NSS Special Camp organized during the year:09

Table 4.3 College-wise NSS Strength allocated and actual students enrolled for NSS

Sr. No.	Name of the College	Allocated Strength	Number of Students Enrolled		
			Male	Female	Total
1.	NVC, Nagpur	75	51	15	66
2.	MVC, Mumbai	225	110	111	221
3.	COVAS, Parbhani	150	93	58	151
4.	COVAS, Udgir	125	79	40	119
5.	KNPCVS, Shirwal	150	92	36	128
6.	CDT, Warud	75	46	17	63
7.	CDT, Udgir	65	44	16	60
8.	COFS, Nagpur	75	39	31	70
9.	COFS, Udgir	60	32	28	60
Total		1,000	586	352	938

2. College-wise Special Camps organized under NSS

The constituent colleges of the university having NSS units organize a 7 days special camp in the adopted village. The nature of the camp is residential type and the volunteers actively undertake the designated activities. Apart from these activities the students also undertake many programmes related to Animal Husbandry, Dairy and Fishery. The details of the college wise special camps organized for the year 2024-25 is given below.



Table 4.4 Details of college-wise NSS special camps organized

Sr. No.	Name of the College	No of Volunteers	Dates of Special Camp	Place of Camp
1.	MVC, Mumbai	107	20/02/2025 to 26/02/2025	Kosbad, Tal. Dahanu, Dist. Palghar
2.	NVC, Nagpur	37	22/02/2025 to 28/02/2025	Kaniyadol (Kokarda), Tal. Kalmeshwar, Dist. Nagpur
3.	COVAS, Parbhani	79	04/02/2025 to 10/02/2025	Wangi, Tal. Dist. Parbhani
4.	COVAS, Udgir	59	23/03/2025 to 29/03/2025	Dongar Shelki
5.	KNPCVS, Shirwal	64	03/02/2025 to 09/02/2025	Naigaon, Tal. Khandala, Dist. Satara
6.	CDT, Warud	37	28/01/2025 to 03/02/2025	Bansi, Tal. Pusad, Dist. Yavatmal
7.	CDT, Udgir	18	20/03/2025 to 26/03/2025	Ghonsi, Tq. Jalkot, Dist. Latur
8.	COFS, Nagpur	35	30/01/2025 to 05/02/2025	Pethkaldongri, Tal. Dist. Nagpur
9.	COFS, Udgir	30	06/02/2025 to 12/02/2025	Haibatpur, Tal. Udgir, Dist. Latur
Total		401		



Distribution of feed supplements to farmers by MVC, Mumbai



Blood Donation camp by NVC, Nagpur



Cleanliness drive by COVAS, Parbhani



Anti-rabies vaccination Camp by COVAS, Udgir



Street play on Rabies Awareness by KNPVC, Shirwal



Village Survey at Naigaon by KNPVC, Shirwal



Demonstration of milk product preparation by CDT, Warud



Cleanliness drive by CDT, Udgir



Yoga for school students by COFS, Nagpur



Blood donation camp organized by COFS, Udgir

3. Regular activities organized under NSS

As per the action plan decided for the year and time to time instructions received from NSS Mantralaya, Maharashtra State the NSS volunteers actively participates in various activities related to society. The details of the activities undertaken for the year 2024-25 are summarized in the following table.



Table 4.5 Regular activities organized under NSS

Sr. No.	Activity	No of activities organized	No. of NSS Volunteers involved		
			Male	Female	Total
1	Blood Donation Camps	11	322	63	385
2	Tree plantation	09	484	259	743
3	Self Defense Training for Girls	02	02	56	58
4	Health Camps/Dental	17	465	206	671
5	Awareness Programmes/ Rallies/ campaigns/ Swachhata Abhiyan	127	1855	859	2714
6	Shramdan Programme	52	329	140	469
Total		218	3,457	1,583	5,040

4. Significant Achievements of NSS Volunteers during 2024-25

Two NSS Volunteers from 2nd year of B.V.Sc & AH, KNPCVS, Shirwal represented MAFSU, Nagpur in PRERNA, a state level leadership development camp held at Solapur University during 17th to 21st March 2025 and won the second prize.

4.7 NCC Activities

The 1 Maharashtra Remount and Veterinary Squadron NCC, Nagpur, is the only equestrian-based NCC unit in Maharashtra. Established in 2004 at Nagpur Veterinary College, it plays a vital role in instilling discipline, unity, and national service among veterinary students. Its riding school is situated in a green expanse beside the Air Force Headquarters, Nagpur. The unit's core mission is to develop character, leadership, and a spirit of selfless service. It offers a three-year training program, awarding 'B' and 'C' certificates upon successful completion of military and equestrian training. Cadets regularly participate in national camps and have represented the Maharashtra Directorate at the prestigious Republic Day Camp (RDC) in New Delhi. The unit has earned the Dr. Roopjyoti Sharma Trophy, along with 8 silver and 7 bronze medals in equestrian events. One cadet also scaled Mount Bharatkunta (21,576 ft) in the Gangotri region. Beyond training; the squadron actively contributes to community welfare through tree plantation, blood donation, cleanliness drives, animal health camps, vaccination programs, and awareness campaigns. During the COVID-19 pandemic, cadets supported the district administration in ration distribution. Many alumni have joined the Indian Armed Forces, reflecting the unit's legacy of grooming future leaders.

Highlights from 2024-25

In 2024-25, the unit continued its strong performance. A total of 117 cadets passed certification exams—67 received the “B” Certificate, and 50 earned the “C” Certificate. At the Combined Annual Training Camp held at Mankapur Sports Complex, 109 cadets (60 male, 49 female) engaged in drill, weapon handling, stable management, and personality development. Lectures were delivered on career opportunities in the Armed Forces, national integration, health, hygiene, and community development.



Cadets of 1 Mah R & V Sqn NCC, Nagpur receiving Dr. Roopjyoti Sharma Trophy in RDC at New Delhi



Cadets of NVC, Nagpur performing yoga on Horse back



5. RESEARCH

5.1 EXTRAMURAL RESEARCH PROJECTS

In the year 2024-25, total 23 externally funded projects are being implemented across different veterinary and allied colleges, comprising four completed projects worth ₹546.16 lakhs and 19 ongoing projects with an outlay of ₹848.81 lakhs. Among them, Nagpur Veterinary College (NVC), Nagpur, leads with two completed projects worth ₹381.43 lakhs and seven ongoing projects worth ₹315.82 lakhs, followed by Mumbai Veterinary College (MVC), Mumbai, with one completed project worth ₹121.91 lakhs and six ongoing projects worth ₹243.91 lakhs. COVAS, Parbhani has one ongoing project of ₹48.27 lakhs, while COVAS, Udgir contributed one ongoing project of ₹39.90 lakhs. KNPCVS, Shirwal has one ongoing project worth ₹57.40 lakhs, and COVAS, Akola is managing two ongoing projects worth ₹80.30 lakhs. Among the specialized institutes, CDT, Udgir completed a project worth ₹42.82 lakhs, and WRTC, Gorewada is handling an ongoing project worth ₹63.21 lakhs. This distribution highlights that the major share of funding is concentrated at NVC, Nagpur and MVC, Mumbai, while other institutes also contribute significantly through individual, high-value projects. This active research engagement highlights the University's dedication to advancing Veterinary, Dairy Technology and Fishery sciences. The details of the institute-wise number of completed and ongoing extramural research projects are given in Table 5.1.

Table 5.1 Institute wise Completed and Ongoing Extramural Research Projects (2024-25)

Sr. No.	Name of the College	Completed		Ongoing	
		No of Projects	Rs. (Lakh)	No of Projects	Rs. (Lakh)
1	MVC, Mumbai	01	121.91	06	243.91
2	NVC, Nagpur	02	381.43	07	315.82
3	COVAS, Parbhani	-	-	01	48.27
4	COVAS, Udgir	-	-	01	39.90
5	KNPCVS, Shirwal	-	-	01	57.40
6	COVAS, Akola	-	-	02	80.30
7	CDT, Udgir	01	42.82	-	-
8	WRTC, Gorewada	-	-	1	63.21
	Total	04	546.16	19	848.81

5.1.1 Completed Extramural Research Projects

The University completed four extramural research projects with total funding of Rs.546.16 lakhs in the financial year 2024-25. The list of completed research projects is given below in Table 5.2



Table 5.2 Institute and Funding Agency wise Details of Completed Extramural Research Projects (2024-25)

Sr. No	Title of the Project	Principal Investigator	Funding Agency	Total Cost Rs.(Lakh)
Mumbai Veterinary College, Mumbai				
1	Intramacrophage Targeted Nanoparticulate Drug Delivery System for Brucellosis	Dr.(Mrs) R.S.Gandge	ICMR, New Delhi	121.91
Nagpur Veterinary College, Nagpur				
2	Conservation & multiplication of indigenous cattle breeds through Ovum Pick-up (OPU) and in vitro embryo production (IVEP)	Dr. M.S.Patil	GOI, New Delhi	297.14
3	Pathogenomics and host pathogen interaction of Brucella infection	Dr. M.S. Hedau	ICMR, New Delhi	84.29
College of Dairy Technology, Udgir				
4	Fortification of selected indigenous dairy products with omega-3 fatty acids using microcapsules of flaxseed oil powder: A novel approach for promoting health and well-being of consumers	Dr. M.R. Patil	RGSTC, Mumbai	42.82
Total				546.16

Salient Achievements of the Completed Extramural Research Projects

The salient achievements of the completed extramural research projects of the University in 2024-25 are as follows.

1. **Intramacrophage Targeted Nanoparticulate Drug Delivery System for Brucellosis**

The Project has made significant progress in developing and optimizing nanodrug delivery systems for treating Brucellosis. The key achievements include the following:

- The optimization of the nanodrug delivery system for oxytetracycline hydrochloride focused on formulations F14, F27, and F50, ensuring optimal size, drug loading, and stability.
- Completion of thermodynamic affinity parameters, analytical method development, and characterization of the designed Nanoparticulate Drug Delivery System (NPDDS).
- Ongoing efforts are being made to scale up drug production.
- Evaluation of nano formulations (F50 and F27) against plain oxytetracycline hydrochloride (OTC-HCL) for various parameters:
 - ♦ In vitro antibacterial activity and cytotoxicity.
 - ♦ In vitro efficacy was determined using the murine RAW 264.7 cell line.
 - ♦ In vivo efficacy against Brucella abortus 544 strains in mice has been successfully completed.

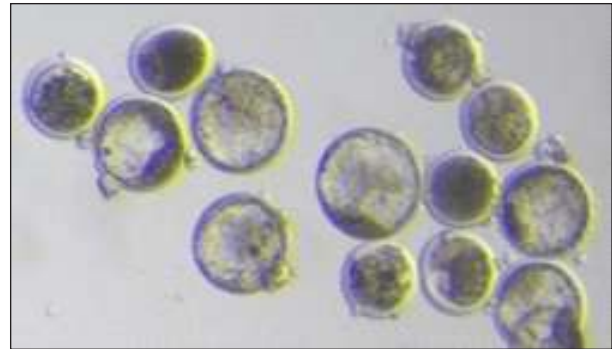
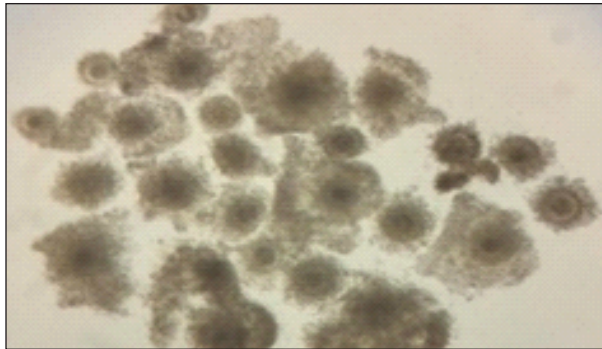


2. Conservation & multiplication of indigenous cattle breeds through Ovum Pick-up (OPU) and in vitro embryo production (IVEP)

- In this project, a total of 190 ovum pick-up sessions were carried out in indigenous breed of cows with a total of 1720 oocytes aspirated, with an average of 9.05 oocytes per cow.
- A total of 746 embryos were produced following in vitro maturation, fertilization, and in vitro culture of embryos, with a blastocyst conversion rate of 43.37 %.
- These embryos were transferred to 502 recipient cows.
- In 107 cows, successful conception was observed, with an average conception rate of 21.31%. Till date total 57 live calves are produced through this technology



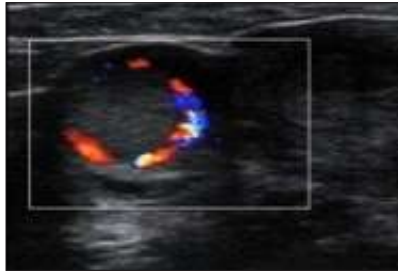
Ovum Pickup



Aspirated oocytes and Embryos



Embryo Transfer



USG for pregnancy diagnosis



Live calves produced after ETT

3. Pathogenomics and host-pathogen interaction of *Brucella* infection

- A total of 2214 serum samples and 290 vaginal swabs (cattle, 802; buffalo, 60; goats, 98; and 2 human samples) were collected for the seroprevalence study from different regions of Maharashtra. Samples were screened from 802 cattle, 60 buffaloes, and 98 goats in this study. A total of 960 serum samples were screened using different serological tests, and the overall seroprevalence was 9.65% by RBPT, 17.78% by MAT, 20.12% by ELISA, and 10.27% by the bcp31 PCR assay.
- Seven *Brucella abortus* isolates were obtained from cattle.
- A multiplex virulence gene PCR assay was standardized. Fifteen virulence genes (cbg, VirB, omp31, omp25, omp10, bvfA, BtpA, BtpB, VecC, BetB, lpsA, lpsB, BPE275, Pmm, and rfbD) were found in all *Brucella abortus* isolates.
- Comparative genome analysis revealed that the virulence genes virB5, wbkC, wbkB, ManA, and per were highly conserved among the *Brucella abortus* isolates.
- In a transcriptomic study in a cell line model, GO functional analysis demonstrated that DEGs of RAW264.7 macrophage cells challenged with *Brucella abortus* and *Brucella melitensis* were involved in multiple immunological pathways, including inflammatory response, immune response, cytokine activity, and chemokine-mediated signaling pathways.
- In a transcriptomic study using a mouse model, both *Brucella Abortus* and *Brucella melitensis*-infected splenic cells showed increased expression levels of proinflammatory cytokines, chemokines, and apoptosis, while the genes related to the cell cycle were downregulated, suggesting the survival strategy of *Brucella*.



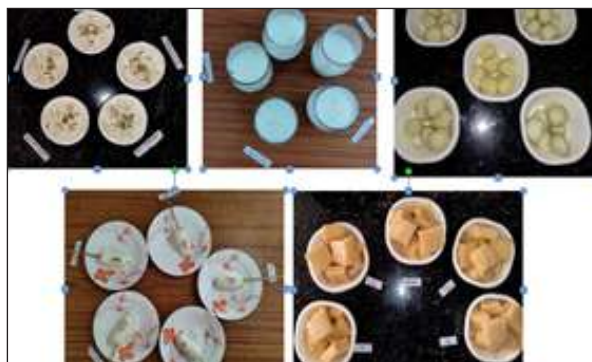
Sample collection for sero-prevalence study

4. Fortification of selected indigenous dairy products with omega-3 fatty acids using microcapsules of flaxseed oil powder: A novel approach for promoting health and well being of consumers

- A process involving a mixture of 20% flaxseed oil and 80% coating material (75:25 ratio of skim milk powder to modified starch) was used to prepare an aqueous emulsion with 35% total solids, followed by high-speed shearing at 20,000 rpm for 10 min and subsequent spray drying to prepare omega - 3 enriched microcapsules of flaxseed oil powder with high microencapsulation efficiency and good oxidative stability at room temperature.
- Fortification of Kulfi with microcapsules of flaxseed oil powder (MFOP) by replacing 15% of milk fat with MFOP is recommended to meet 61.87% of the recommended daily allowance for alpha linolenic acid per 100 g serving of Kulfi without significant change in sensory attributes and ensuring good oxidative stability.
- It is recommended to fortify Shrikhand with microcapsules of flaxseed oil powder @ 4.64 g per 100 g to achieve 50% of the recommended dietary allowance for alpha linolenic acid per 100 g serving without significant change in sensory attributes and ensuring good oxidative stability.
- It is recommended to fortify Lassi with microcapsules of flaxseed oil powder @ 8.90 g per 200 ml to achieve 60% of the recommended dietary allowance of alpha linolenic acid per 200 ml serving without significant changes in sensory attributes and ensuring good oxidative stability.
- It is recommended to fortify Peda with microencapsulated flaxseed oil powder @ 4.65 g to achieve 30% of the recommended dietary allowance for alpha-linolenic acid per 40 g serving, maintaining sensory attributes while ensuring good oxidative stability.
- It is recommended to fortify Santra Burfi with microencapsulated flaxseed oil powder @ 5.27 gm to achieve 35% of the recommended dietary allowance for alpha linolenic acid per 40 gm serving, respectively, maintaining sensory attributes while ensuring good oxidative stability



Omega-3 rich Microcapsules of Flaxseed Oil



Omega-3 fortified Dairy Products

5.1.2 ONGOING EXTRAMURAL RESEARCH PROJECTS (2024-25)

During the year 2024-25, the University had a total of 19 ongoing extramural projects with a total funding of ₹ 848.81 lakh. A list of ongoing extramural research projects is provided in Table 5.3.

Table 5.3 Institute and Funding Agency wise details of Ongoing Extramural Research Projects

Sr. No.	Title of the Project	Principal Investigator	Funding Agency	Total Cost Rs. (Lakh)
Mumbai Veterinary College, Mumbai				
1	Monitoring of Pesticide Residue at National Level	Dr. R. J. Zende	ICAR, New Delhi	07.83
2	AICRP on PHET, ICAR, New Delhi			
a	Lateral Flow Assay-based rapid detection of food-borne pathogens in foods of animal- origin	Dr. R. J. Zende	Sub Project under AICRP on PHET, ICAR, New Delhi	121.73
b	Preparation of Pet Food from Slaughter House by products and Spent Hen Meat	Dr. R. J. Zende		
c	Development of nanocomposite incorporated with natural antimicrobials for the preservation of meat products	Dr. R. J. Zende		
3	Estimates of Risk and Assessment of the Burden of Zoonotic TB in India (ERAZTB)	Dr. R. J. Zende	ICAR-NIVEDI	48.80
4	All India Network Programme on One Health Approach to Zoonotic Diseases (AINP-OHZD)	Dr. V. M. Vaidya	ICAR, New Delhi	13.55
5	Strengthening the capability for obtaining NABL certificate under NABL-FSSAI integrated mode	Dr. R. J. Zende	FSSAI, New Delhi	10.00
6	ICAR-AINP-LPPS Scheme All India Network Programme on Livestock and Poultry Product Safety.	Dr. Sushant S. Sole	ICAR, New Delhi	42.00
Total				243.91
Nagpur Veterinary College, Nagpur				
7	Bacteriophage and one-health approach tackling AMR infections in humans, animals, and environment	Dr. Megha Kaore	ICMR, New Delhi	68.11



8	Establishment of a Consortium for One Health to address Zoonotic and Transboundary Diseases in India, including the Northeast Region	Dr. N.V. Kurkure	DBT New Delhi	113.27
9	Epidemiological study on Q fever and development of cost-effective diagnostics for diagnosis of Coxiellosis in human and animal	Dr. S.V.Shinde	ICMR, New Delhi	21.31
10	Centre for Food Safety and Quality Evaluation of Foods of Animal Origin Under National Livestock Mission	Dr. S. P. Chaudhari	Ministry of DADH, GoI	45.66
11	ICAR-IVRI All India Network Project on One Health Approach to Zoonotic Diseases	Dr. S. P. Chaudhari	ICAR	8.20
12	ICAR-NIVEDI Research Project Estimates of Risk and Assessment of Burden of TB in India (ERAZTB)	Dr. S. P. Chaudhari	ICAR	48.80
13	ICAR-NBFGR All India Network Project on "Antimicrobial Resistance (AINP-AMR) in fisheries and livestock"	Dr. W.A.Khan	ICAR-NBFGR	10.47
Total				315.82
College of Veterinary and Animal Sciences, Parbhani				
14	Communicating the risk of zoonoses and parasitic disease burden among sheep and goat farmers: one health approach	Dr. R. N. Waghmare	ICMR, New Delhi	48.27
Total				48.27
College of Veterinary and Animal Sciences, Udgir				
15	Artificial Intelligence in breed identification and live body weight prediction in cattle breeds of Maharashtra	Dr. V.B. Dongre	RGSTC, Mumbai	39.90
Total				39.90
Krantisinh Nana Patil College of Veterinary Science, Shirwal				
16	Surveillance of antimicrobial resistance at animal-human interface in the context of one health	Dr RP Kolhe	ICMR New Delhi	57.40
Total				57.40
College of Veterinary and Animal Sciences, Akola				
17	ICAR-NBAGR Network Project on Animal Genetic Resources	Dr. S. V. Kuralkar	ICAR-NBAGR, Karnal	29.00
18	ICAR SCSP Project on "Skill development through scientific interventions in Kaikadi donkey farmers of Maharashtra"	Dr. P. S. Bankar	ICAR- NRCE, Hisar	51.30
Total				80.30



Wildlife Research and Training Centre, Nagpur				
19	Establishment of a Consortium for One Health to address Zoonotic and Transboundary Diseases in India, including the North-East Region	Dr. Shirish Upadhye	DBT	63.21
Total				63.21
Grand Total				848.81

Salient Achievements of the Ongoing Extramural Research Projects

The salient achievements of the ongoing extramural research projects of the University in 2024-25 are mentioned below.

1. The Monitoring of Pesticide Residue at National Level

- As per the new technical program (2024-2025) - 10 fish (5 raw fish and 5 dry fish) samples per month will be used for extraction and clean-up, and the same extracted samples will be provided to Pilot Test House EIA, Andheri Mumbai for detection and quantification of pesticide (12) (organochlorine and organophosphorus) residues.
- Samples were collected from Mumbai (Sewri, Sion), Mumbai Suburban (Chembur), and Navi Mumbai (Sanpada) with geo-tagging.
- The analysis report is submitted regularly to the Scheme-In-Charge, MPRNL, ICAR, New Delhi.



Analysis of pesticides residues on gas chromatography

2. AICRP on PHET, ICAR, New Delhi

Sub Project - 1

a. Lateral Flow Assay-based rapid detection of food-borne pathogens in foods of animal-origin

- An LFA for the rapid detection of foodborne pathogens in animal-derived foods was developed using in-house synthesized gold nanoparticles (AuNPs) produced via the borohydride reduction method.
- The synthesized AuNPs were used to prepare an AuNP-monoclonal antibody (Mab) conjugate, which was applied to the conjugate pad of test strips.
- Antibody concentrations were optimized, and it was observed that a 1000 µg/mL concentration of the primary antibody was ideal for the test line, while 600 µg/mL of the secondary antibody was optimal for the control line.
- The fabrication of the LFA test strips was confirmed by the successful development of a distinct control line, indicating the proper functioning of the test.



- A sharp and reproducible test line was observed, confirming the suitability of the antibody concentration for target detection.
- The limit of detection was established at 10^8 and 10^7 bacterial cells, with a visible test line appearing within 20 min.
- After the immunoassay, the strips were washed with Milli-Q or deionized water prior to signal enhancement.
- Silver enhancement was performed using a solution of 0.3% AgNO₃ and 3% hydroquinone in citrate buffer (1:1), yielding a signal with an uneven-flow trail.
- Gold enhancement was performed using 1% HAuCl₄ and 10 mM NH₂OH·HCl (1:5), with 50 μ L added per test zone, yielding a more uniform and well-defined signal.
- To improve specificity and sensitivity, target antigens (*S. aureus* and *E. coli*) were identified through bioinformatic analyses using the NCBI and UniProt databases, in collaboration with ICAR–NMRI, Hyderabad. The selected peptides will be expressed and used to immunize rabbits. Rabbits are immunized with antigens and boosted every 2–3 weeks. Antibody titres will be monitored via ELISA. Specific antibodies will be collected and purified using the commercial kits. Affinity and specificity will be tested using ELISA, with cross-reactivity checked against unrelated bacterial proteins. Purified Abs were stored at $-20\text{ }^\circ\text{C}$ or $-80\text{ }^\circ\text{C}$ with 0.02% sodium azide. These will be used to develop an LFA for the highly specific detection of target organisms at the lowest possible concentration.



Lateral Flow Assay depicting test signal at different concentrations of *S. aureus*

Sub Project - 2

b. Preparation of Pet Food from Slaughterhouse By-products and Spent Hen Meat.

A. Process protocol standardized for Pet Kibbles from Buffalo meat powder and shelf life estimation done at ambient storage temperature (Completed)

- Atmospheric Packaging: 183 Days
- Nitrogen Gas Packaging: 218 Days



Results of physicochemical analysis:

Parameters	Atmospheric Packaging		Nitrogen Gas Packaging		Interpretation
	0 Day	183 Day	0 Day	218 Day	
Moisture	3.44±0.23	10.23±0.22	3.44 ± 0.29	10.17 ±0.50	Increased
pH	4.91±0.01	6.21±0.06	4.83±0.27	6.14 ± 0.07	Gradual Increase
Protein	82.34±0.27	47.03±0.24	82.80±0.62	51.31± 0.43	Decreased
TBA	0.38±0.39	0.94±0.03	0.36±0.46	0.87 ± 0.20	Increased
Tyrosine	5.40±0.12	10.36±0.21	5.36±3.14	9.84 ± 0.11	Increased
Texture-Hardness	32934.13±12	27982.31±25	33567.24 ± 25	27137.18 ± 19	Decreased
Fracturability	27105.27±34	21517.64±22	27519.17 ± 10	22547.36 ± 41	Decreased

Results of the microbiological analysis:

- The presence of *Bacillus cereus* on the 190th and 225th days for atmospheric packaged and nitrogen packaged kibbles, respectively, indicated spoilage, which was subsequently confirmed using biochemical tests.
- Thus, the shelf life was up to 183 and 218 days for Atmospheric and Nitrogen Gas Packaging, respectively.



Pet Kibbles prepared and packed using atmospheric packaging and Nitrogen Packaging

B. Process protocol standardized for Pet Snacks from Buffalo meat powder and shelf life estimation done at ambient storage temperature(Completed)

- Atmospheric Packaging: 190 Days
- Nitrogen Gas Packaging: 239 Days



Results of physicochemical analysis:

Parameters	Atmospheric Packaging		Nitrogen Gas Packaging		Interpretation
	0 Day	190 th Day	0 Day	239 th Day	
Moisture	3.85 ± 0.66	10.66±0.04	3.77±0.31	9.34±0.39	Increased
pH	5.32 ± 0.01	6.52±1.6	5.02±0.01	6.14±0.09	Gradual Increase
Protein	84.84±4.28	37.65±0.30	85.01±1.23	33.12±0.41	Decreased
TBA	0.35±0.00	0.96±0.06	0.32±0.01	0.96±0.04	Increased
Tyrosine	5.12±0.28	10.85±0.09	5.66±0.54	9.94±0.04	Increased
Texture-Hardness	37637.24±12	34291.53±34	37686.24±24	35043.40±24	Decreased
Fracturability	30555.07±11	25763.24±32	30529.19±10	263243.23±31	Decreased

Results of the microbiological analysis:

- Presence of *Bacillus cereus* on 197th day and 246th day for Atmospheric and Nitrogen Gas packaged snacks, indicating spoilage which was subsequently confirmed using biochemical tests
- Thus, shelf life is upto 190 days and 239 days for Atmospheric and Nitrogen Gas Packaging, respectively



Pet Snacks prepared and packed using Atmospheric packaging and nitrogen packaging

C. Process protocol standardized for spent hen extruded meat product in collaboration with CIFE, Versova and physico-chemical, proximate analysis and shelf-life study is in progress (upto 60 Days completed so far- in progress).

- Physicochemical and microbiological analyses of the extruded spent hen meat product were completed for 60 days.



Spent Hen Extruded Meat Product prepared and packed using Atmospheric packaging and Nitrogen Packaging



Sub Project - 3

c. Development of nanocomposite incorporated with natural antimicrobials for the preservation of meat products.

- Two trial combinations of nanocomposite films with the incorporation of varying antimicrobials are as follows:
- For the standardization and development of the nanocomposite film, methyl cellulose, sodium alginate, and clove oil were selected. The protocol will be standardized using the above combination for coating chevon patties and seekh kebabs for quality and shelf-life studies.
- For the standardization and development of the nano-composite film, chitosan, montmorillonite (MMT), and nisin were selected. The protocol will be standardized using the above combination for coating chicken patties and seekh kebabs for quality and shelf-life studies.
- Subsequently, trials for developing syringes and vials using the above nano-composite films will be conducted.

3. Estimates of Risk and Assessment of the Burden of Zoonotic TB in India (ERAzTB).

- A total of 380 samples (Bronchial, Mediastinal, Mesenteric lymph nodes and lung tissue samples) were collected from freshly slaughtered buffaloes from the Deonar (210), Malegaon (100), Ichalkaranji (20), and Satara (50) abattoirs. These samples were transported to the laboratory in an ice box and stored at -80°C until processing.
- As per the instructions of the Director, ICAR-National Institute of Veterinary Epidemiology and Disease Informatics, 13 TB-suspected samples were sent to the institute for processing, and the results are awaited.



Collection of suspected samples of lungs for detection of *Mycobacterium*



Collection of enlarged mesenteric lymph node samples for detection of *Mycobacterium tuberculosis complex*



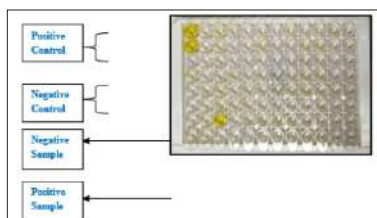
4. All India Network Programme on One Health Approach to Zoonotic Diseases (AINP-OHSD)

• Cysticercosis

- The percent positivity of cysticercosis in Maharashtra was 0.40% (2/489) in pigs, 0.00% (0/350) in buffalo, and 0.00% (0/727) in sheep/goats, respectively, based on post-mortem findings at different slaughterhouses/retail shops.
- The percentage seropositivity of cysticercosis in pigs was 2.12% (02/94) and in buffaloes was 1.16% (01/86) using commercially available ELISA kits.
- The total economic losses (direct and indirect) due to cysticercosis in pigs in Maharashtra and India was Rs. 27,84,278.88 and Rs.10,99,95,511.2, respectively.
- The total indirect economic losses (indirect) due to cysticercosis in buffaloes in Maharashtra and India was Rs. 1,14,35,546.97 and Rs.15,49,46,043.28, respectively.

• Leptospirosis

- A total of 91 buffalo samples (67 blood and 24 urine) and 41 cattle samples (23 blood and 18 urine) were examined for the presence of *Leptospira* Spp. using dark-field microscopy (DFM), but none of the samples from either species were found to be positive after screening by DFM.
- Out of a total of 92 buffalo and 44 cattle sera examined using the Genomix Bovine *Leptospira* Antibody Indirect ELISA Test Kit, none of the buffalo and cattle sera showed percent positivity in samples for different serovars of *Leptospira* spp.



ELISA for detection of cysticercosis in buffaloes

5. Strengthening of capability for obtaining NABL certificate under NABL-FSSAI integrated mode and to act as a referral and or reference laboratory of FSSAI

- Food Safety and Standard Authority of India, Government of India, New Delhi, has approved grant of Rs.10,00,000/- for “Strengthening the capability for obtaining NABL certificate under NABL-FSSAI integrated mode”
- The first instalment of Rs. 5.00 lakhs has been received on 3rd December, 2021, and the second instalment will be released on the utilization of 75% of the first instalment.

6. ICAR-AINP-LPPS All India Network Programme on Livestock and Poultry Product Safety

- The sampling plan was implemented by collecting Chicken and Buffalo meat samples from Maharashtra.
- Method validation and analysis of samples by HPLC completed
- Total 280 samples of meat analysed for antibiotics and pesticides as per the objectives
- The SCSP (Schedule Cast Sub Plan) fund received during this financial year was utilized for welfare activities for the upliftment of the SC community, such as the distribution of water



purifiers and animal micronutrients to the SC families of lower-income groups.

- The buffalo samples analysed for Enrofloxacin and Chlorpyrifos were below the detection limits
- The Chicken meat samples analyzed for pesticides viz. acephate, antibiotics viz. chlortetracycline, doxycycline, ciprofloxacin, sulphaquinoxaline, and oxytetracycline were also below the detection limit. The samples were analysed at department of pharmacology & Toxicology, Mumbai Veterinary College, Mumbai

7. Bacteriophage and one-health approach tackling AMR infections in humans, animals, and environment

- Fund received on 18th Feb 2025
- Recruitment of two Project Technical Support III (PTS III) staff

8. Establishment of a Consortium for One Health to address Zoonotic and Transboundary Diseases in India, including the Northeast Region

- Total 1427 samples tested for Brucellosis (Cattle, Buffalo, Sheep, Goat, Pig), Cysticercosis (Pig), LSD (cattle), Q-Fever (Cattle, Buffalo), JE (Pig), Salmonellosis (Food), Listeriosis (Food), Cryptosporidiosis (Feces/stool), Scrub Typhus (Rodents), Tuberculosis (Cattle, Buffalo)
- Conducted Awareness activity about Zoonotic diseases to LDO, ACAH, LSS and School students



Delivering lecture about zoonotic diseases and one health approach



Collection of blood samples from Yavalmal district for Screening of zoonotic diseases

9. Epidemiological study of Q fever and development of cost-effective diagnostics for Coxiellosis in human and animals

Animal sample screening

- A total of 386 animals (156 Cattle, 107 Goats, 62 Sheep and 61 buffalos) were screened for Q fever infection diagnosis using molecular and serological method
- A total of 924 animal samples (386 blood and serum samples and 152 vaginal swabs) were collected from Maharashtra.
- All 386 animal blood samples were subjected to molecular assays targeting the IS1111 and Com 1 genes.
- Of the 386 animals, 97 (43 cattle, 20 buffalo, 13 sheep, and 21 goats) were positive for coxiellosis by PCR, showing 25 overall positivity of 25.12 %.
- In addition, 160 goat DNA from Raichur, Telangana were processed by molecular assay, of those 107 (66.88%) were positive for IS1111



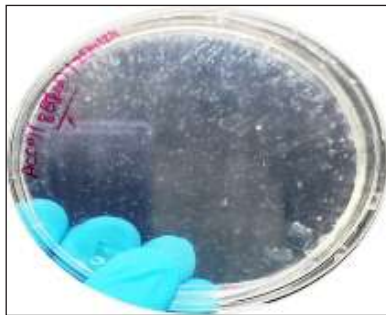
- Of the 386 samples, 356 serum samples (Cattle-137, Buffalo-61, Sheep-52, Goat-106) were used for the serological assay.
- Of the 356 serum samples, 37 (cattle: 13, Buffalo-07, Goat: 13, and sheep: 04) were positive (10.39% positivity).
- Of the 152 animal vaginal swabs, 10 swabs from large ruminants and one aborted tissue from a goat were processed for the isolation of Coxiella using ACCM media.
- All ten swabs isolates showed positivity for IS1111 gene using nested PCR as well tissue sample isolate showed positivity for IS1111 and Com gene

Human sample screening:

- A total of 506 human samples (245 each blood and sera and 16 vaginal samples from miscarriage history women) were collected from high-risk group persons (veterinarians/ para vet/ farmers/ farm labors)
- All 245 blood and 16 vaginal swab samples were used for DNA extraction and molecular techniques.
- Of the 245 blood DNA and 16 vaginal swabs, 159 human blood DNA samples and 14 vaginal swabs were positive by a molecular technique using IS1111 or Com1 gene, showing 64.89% and 87.5% positivity, respectively

Sharing of sera and Blood DNA samples with NIV Pune

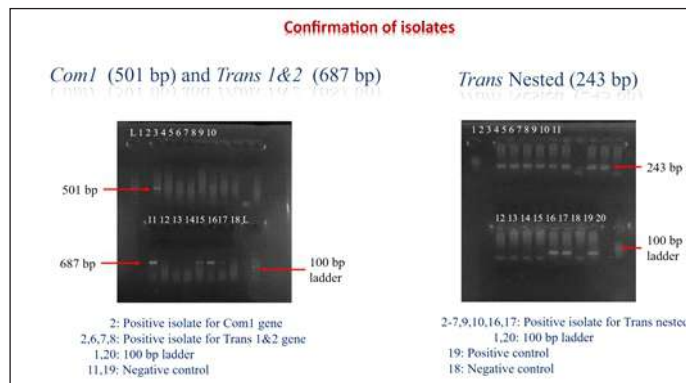
- A total of 50 positive animal blood DNA and serum samples and 50 human blood DNA and serum samples were shared.
- The egg yolk membranes of the five positive samples were also shared.



Small pinpoint colonies of *Coxiellaburnetii* on ACCCM media



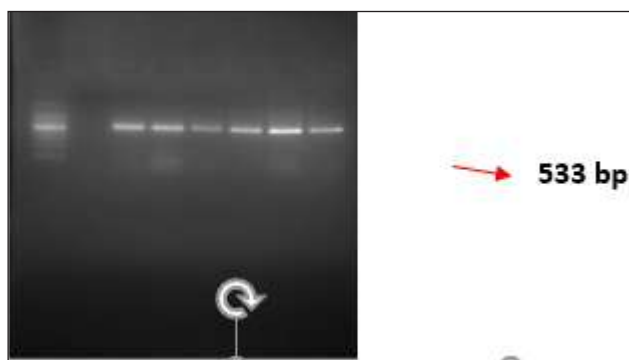
Colonies of *Campylobacter* on mCCDA





10. Centre for Food Safety and Quality Evaluation of Foods of Animal Origin Under National Livestock Mission

- From foods of animal origin, a total of 151 isolates of *E.coli* (33.11%) were obtained, whereas prevalence of *Staphylococcus aureus* was 25.67%, *Salmonella* as 5.92%, *Campylobacter* was 4.38%, *Bacillus cereus* (16.44%) and *Listeria monocytogenes* was 1.09%
- The most contaminated commodity was raw milk, followed by raw meat in the North Vidarbha region, and the least contaminated was eggs.
- The isolates were virulent in nature and harbored virulence genes.
- The isolates were also found to be multidrug-resistant, which is a public health concern.



Characterization of *Bacillus cereus* isolates

11. All India Network Programme on One Health Approach to Zoonotic Diseases

Q Fever/Coxiellosis:

In animals:

- The sero-positivity among the Cattle population could be noted as 13.79%, for buffaloes as 4.90 % whereas among goats it was 11.76%
- The positivity by PCR was 8.37% in cattle, followed by 5.88% in goats and 3.92% in buffaloes.

In Human:

- Among the occupationally exposed groups, including livestock attendants, livestock owners, and wildlife staff/workers, of the 83 individuals, 8 (9.63%) were positive for antibodies against *C. burnetii*, whereas 7.22% (06) were positive by molecular assay.
- Amongst the patients with pyrexia of unknown origin none of the individual turned positive

Scrub typhus/Presence of *Orientia tsutsugamushi*:

- Out of 181 individuals screened for the presence of *Orientia tsutsugamushi*, 2.76% were positive when screened with serological assay, while 1.66% were positive by PCR.
- Of the 585 ectoparasites (divided in 64 pools), four pools turned positive in PCR

Identification of Vectors

- Of the 109 morphologically identified ectoparasites, seven were fleas (belonging to *Ctenocephalides* spp.) and 102 were ticks (belonging to *Rhipicephalus sanguineus*, *R. microplus*, and *Hyalomma anatolicum*).

12. Estimates of Risk and Assessment of burden of zoonotic TB in India (ERAZTB)

- Five organized dairy cattle farms (05) were selected for the study.
- The blood samples from cattle have been collected from four farms
- The blood samples are under IGRA testing at laboratory



13. All India Network Project on Antimicrobial Resistance (AINP-AMR)

Sample Collection & Isolation (Total = 144 samples)

- **Milk samples (57):**
 - ✦ Cow (28), Buffalo (29)
 - ✦ *E. coli*: 12 isolates
 - ✦ *Staphylococcus aureus*: 33 isolates
 - ✦ Coagulase Negative *Staphylococci* (CONS): 12 isolates
- **Rectal/cloacal swabs (87):**
 - ✦ Cow (26), Buffalo (20), Goat (27), Poultry (14)
 - ✦ *E. coli*: 63 isolates

E. coli Antimicrobial Resistance Profile (n=75)

- **High susceptibility to:**
 - ✦ Imipenem, Amikacin, Trimethoprim/Sulfamethoxazole, Tetracycline (100%)
- **Notable resistance to:**
 - ✦ Ampicillin (20%), Cefoxitin (26.7%), Cefpodoxime (16%), Nalidixic acid (13.3%)
- **Phenotypic detection of ESBL:**
 - ✦ 13/74 isolates positive (mostly from buffalo and goat rectal samples)

Staphylococcus aureus Antimicrobial Resistance Profile (n=33)

- **Penicillin G resistance:** 27.2% overall (30.8% in buffalo milk)
- **Cefoxitin resistance (presumptive MRSA):** 21.2%
- No resistance found to: **Gentamicin, Enrofloxacin, Chloramphenicol**
- **MRSA detected:** 7 isolates (6 from cow milk, 1 from buffalo milk)

CONS Antimicrobial Resistance Profile (n=12)

- **Cefoxitin resistance (MR-CONS):** 50% (6/12, all from buffalo milk)
- **All isolates susceptible to** Gentamicin, Enrofloxacin, Chloramphenicol, Tetracycline

Training & Outreach

- An awareness program was held on March 25, 2025, at Paloti, Yavatmal.
- The participants included state officials, farmers, and stakeholders.



Antimicrobial profile of isolate



Collection of blood samples from Yavatmal district for Screening of zoonotic diseases



14. Communicating the risk of zoonoses and parasitic disease burden among sheep and goat farmers: one health approach

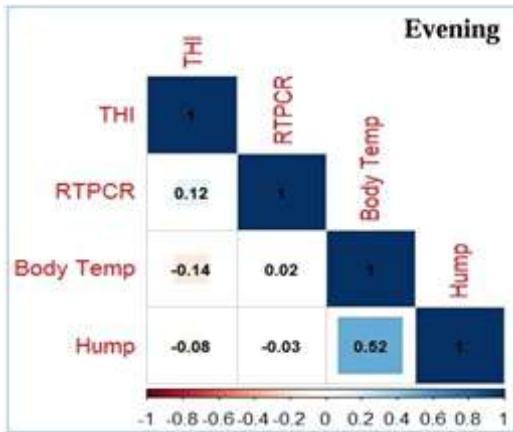
- Establishment of diagnostic facility for detection of Brucella and Listeria infections in sheep and Goat.
- Samples were collected from the Parbhani and Dharashiv districts of the Marathwada region (sample analysis is in progress).
- Conducted two workshops on zoonotic disease control through the One Health approach for Sheep and Goat farmers (84 farmers benefited).



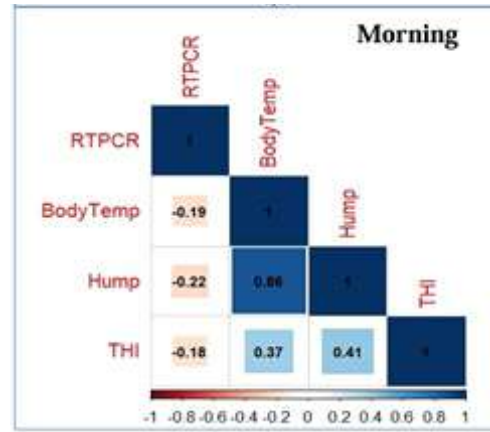
Farmers training and Sample collection

15. Artificial Intelligence in breed identification and live body weight prediction in cattle breeds of Maharashtra

- **Project Scope and Progress:** The research focuses on five cattle breeds of Maharashtra (Deoni, Red Kandhari, Gaolao, Khillar, and Dangi) for breed identification, live body weight prediction, and adaptability study using infrared thermal imaging. In the first year, work on the Deoni breed was completed.
- **Breed Identification Using AI:** A total of 1450 digital images of Deoni cattle were analyzed using CNN, object detection, and image processing techniques. The breed identification accuracy was 96.0% on the training data and 61.8% on the test data. Expanding the dataset is expected to improve the accuracy. This helps avoid indiscriminate breeding and supports better AI-based breeding decision-making.
- **Genetic and Physiological Adaptation:** Genetic analysis of the HSP70 gene, which is linked to heat tolerance, showed no significant differences in rectal temperature and respiration among genotypes. Gene expression results indicated good thermal adaptation of Deoni cattle to the local climate.



Correlation of body surface temperature with THI and HSP 70 gene expression (During Evening)



Correlation of body surface temperature with THI and HSP 70 gene expression (During Morning)



3D Image Analysis recording



Infrared Thermal Imaging

16. Surveillance of antimicrobial resistance at animal-human interface in the context of one health

- The sampling, isolation, and characterization of indicator organisms according to the DRP from various foods, fecal, and environmental samples were completed.
- Metagenomic studies and partial sequencing of species-specific and AMR genes were performed.
- PFGE work of *E. coli* and *Enterococci* isolated from humans and animals was completed.
- Phenotypic and genotypic AMR studies were completed.

17. ICAR-NBAGR Network Project on Animal Genetic Resources

- Phenotypic and morphometric characterization of Melghati cattle in the Melghat region of Maharashtra.
- Documenting the socio-economic status and animal husbandry practices adopted by Melghati cattle owners
- Recording of important production and reproduction traits in Melghati cattle.



18. ICAR SCSP Project on Skill development through scientific interventions in Kaikadi donkey farmers of Maharashtra

- Survey of Kaikadi donkey owners in Akola, Amravati, and Buldhana districts of Maharashtra.
- Organization of Field demonstrations, animal health camps and training programmes for Donkey farmers

19. Establishment of a Consortium for One Health to address Zoonotic and Transboundary Diseases in India, including the North-East Region

- This study aimed to determine the prevalence and burden of selected livestock diseases, including Brucella, Q-fever, Cysticercosis, Japanese Encephalitis, Listeriosis, Cryptosporidiosis, Tuberculosis, CCHF, through serological or molecular tests.
- Opportunistic samples were collected from states across India, such as Maharashtra, Karnataka, Kerala, and Gujarat. Madhya Pradesh, Jharkhand, Uttarpradesh etc.
- Brucellosis were screened from 500 samples out of 677 samples collected, none of the samples tested positive.
- Similarly, Q fever was screened from 445 samples out of 677 samples, none of them were found positive.
- Cysticercosis were screened from 215 samples out of 298 samples, 2.5% tested positive
- Japanese encephalitis were screened from 81 samples out of 231 collected, none were found positive.
- No samples were found positive for Listeriosis out of the 135 samples screened from 421 samples found
- Similarly, Cryptosporidiosis 107 samples were screened out of 128 samples collected and none of them were found positive
- A total of 61 samples were screened from 133 samples collected. None of them tested positive for tuberculosis.
- Of the 50 samples screened, 46 were screened, and none tested positive for Crimean Congo hemorrhagic fever.

5.2 POST GRADUATE RESEARCH PROJECTS

5.2.1 College wise completed PG Research Projects

In the year 2024-25, a total of 181 postgraduate (PG) research projects were completed across the university. This included 178 master's projects and three doctoral projects. The information regarding college-wise completed PG research projects is given in Table 5.4

Table 5.4 College wise completed PG Research Projects

Sr. No.	Name of College	No. of PG Research Projects completed		
		Masters	Doctoral	Total
1	MVC, Mumbai	37	01	38
2	NVC, Nagpur	30	01	31
3	COVAS, Parbhani	33	01	34
4	COVAS, Udgir	21	00	21
5	KNPCVS, Shirwal	31	00	31



6	PGIVAS, Akola	25	00	25
7	CDT, Warud	01	00	01
Total		178	03	181

5.2.2 Department wise completed PG Research Projects

A total of 181 postgraduate research projects were completed across various departments, including 177 M.V.Sc., 1 M.Tech and 3 Ph.D. projects. Among these, the highest number was contributed by the Department of Veterinary Surgery and Radiology, with 19 projects, followed by Animal Nutrition, Animal Reproduction, Gynecology and Obstetrics, and Clinical Veterinary Medicine, with 15 projects each. The Department of Veterinary Pathology completed 13 projects, Livestock Production and Management accounted for 12, and Veterinary Public Health and Poultry Science contributed 11 projects each. Departments such as Livestock Products Technology and Pharmacology & Toxicology completed 10 projects each, with Livestock Products Technology also contributing one Ph.D. project. Other notable contributions include Veterinary Parasitology (8 M.V.Sc. + 1 Ph.D.), Animal Genetics and Breeding (8), Veterinary Physiology (8), and Veterinary and Animal Husbandry Extension (8). Smaller but important contributions came from Veterinary Biochemistry (4), Microbiology & Biotechnology (7), and Veterinary Anatomy (2), while Veterinary Epidemiology and Preventive Medicine completed one Ph.D. project. The Veterinary Biotechnology Teaching and Research Cell added one more project. This comprehensive distribution reflects active research across almost all disciplines, with a strong emphasis on applied and clinical research.

Table 5.5 Department wise completed PG Research Projects - Faculty of Veterinary Science (Nos.)

Sr. No.	Name of Department	No. of Projects Completed	
		M.V.Sc.	Ph.D
1	Veterinary Anatomy, Histology and Embryology	2	0
2	Veterinary Physiology	8	0
3	Veterinary Biochemistry	4	0
4	Veterinary Pharmacology & Toxicology	10	0
5	Veterinary Parasitology	8	1
6	Veterinary Microbiology and Biotechnology	7	0
7	Veterinary Pathology	13	0
8	Veterinary Public Health	11	0
9	Animal Nutrition	15	0
10	Animal Genetics Breeding	8	0
11	Department of Livestock Production and Management	12	0
12	Livestock Products Technology	10	1
13	Animal Reproduction, Gynaecology and Obstetrics	15	0
14	Veterinary Surgery and Radiology	19	0
15	Clinical Veterinary Medicine including Ethics and Jurisprudence	15	0
16	Veterinary Epidemiology and Preventive Medicine	0	1
17	Veterinary & Animal Husbandry Extension	8	0



18	Department of Poultry Science	11	0
19	Veterinary Biotechnology Teaching and Research Cell	01	0
	Total	177	03
	M.Tech Dairy Technology	01	0
	Total	01	0
	Grand Total	178	03

5.3 PRIVATE AGENCY PROJECTS - INSTITUTE-INDUSTRY COLLABORATION

In the year 2024-25, the University was engaged in 13 ongoing and 15 completed private agency projects, with financial allocations of Rs. 48.29 lakh and Rs. 101.69 lakhs, respectively. Table 5.6 provides information on ongoing and completed private agency projects at the college level.

Table 5.6 Private Agency Projects - Institute-Industry Collaboration

Sr. No.	Name of the College	No. of completed agency Projects	Rs. (Lakh)	No. of ongoing agency Projects	Rs. (Lakh)
1	MVC, Mumbai	03	16.50	01	3.50
2	NVC, Nagpur	04	26.27	05	20.66
3	COVAS, Parbhani	03	13.85	05	18.62
4	COVAS, Udgir	02	30.89	02	5.51
5	KNPCVS, Shirwal	02	12.20	00	00
6	PGIVAS, Akola	01	1.98	00	00
	Total	15	101.69	13	48.29

5.4 RESEARCH RECOMMENDATIONS

The University Headquarters hosted the 22nd Joint Animal Science Research Council (JASRC) Meeting from June 18–26, 2024, under the chairmanship of Dr. N.V. Patil, Hon'ble Vice Chancellor. The meeting provided a platform for an in-depth review and discussion of the research activities undertaken by the constituent colleges of the university during 2023–24.

A comprehensive evaluation was conducted on the progress of completed and ongoing projects. In total, 264 completed projects (246 intramural and 18 extramural), 109 ongoing projects (80 intramural and 29 extramural), and 310 proposed projects (216 intramural and 94 extramural) were deliberated. Special emphasis was placed on research of critical importance to Veterinary Science, Dairy Technology, and Fisheries.

These deliberations culminated in 25 research recommendations for diverse stakeholders, classified as follows

- **Category 1:** Industry (Feed, Fodder, Livestock, Dairy, Fisheries), Livestock Farms, and Farmers – 15 recommendations
- **Category 2:** Veterinary Clinicians, Practitioners, and Dispensaries – 7 recommendations
- **Category 3:** Academicians, Researchers, Diagnostics, and Pharmaceutical Companies – 3 recommendations

Each year, the University publishes these recommendations on its website and in the form of a



booklet, making them accessible to farmers, industries, veterinary professionals, academics, and scientists. The recommendations of the 22nd JASRC Meeting were formally released during the 12th Research Council Meeting, held at the University Headquarters on 13–14 February 2025, by the Hon'ble Vice Chancellor and other dignitaries.



22nd Joint Animal Science Research Council Meeting



Publication of Research Recommendations booklet

5.4.1 Recommendations for Industry (Feed/Fodder/Livestock/Dairy/Fisheries), Livestock farms and Farmers

- 1 Project Title :** Preparation of Functional Fermented Milk Enriched with Bioactive Peptides obtained from the Milk of Indigenous Cow Breeds of Vidharbha and Marathwada Region of Maharashtra

Investigators : P.S. Patil, A.R. Sarode, V.K. Lule, M.R. Patil and P.D. Sawale

Name of the College : College of Dairy Technology, Warud (Pusad)

Recommendation : *Lactobacillus helveticus* NCDC 292 and *Lactobacillus acidophilus* NCDC 15 are recommended for use as potent cultures to produce maximum alpha-glucosidase, DPP-IV and ACE-I inhibitory peptides in Gaolao, Deoni and Red Kandhari cow milk trough fermentation.

- 2 Project Title :** Preparation of Functional Fermented Milk Enriched with Bioactive Peptides obtained from the Milk of Indigenous Cow Breeds of Vidharbha and Marathwada Region of Maharashtra

Investigators : P.S. Patil, A.R. Sarode, V. K. Lule, M.R. Patil and P.D. Sawale

Name of the College : College of Dairy Technology, Warud (Pusad)

Recommendation : Inoculation of *Lactobacillus helveticus* NCDC 292 @ 2% of milk incubated at 42°C for 36 hours is recommended to produce optimum fermentation condition to obtain maximum alpha-glucosidase, DPP-IV and ACE-I inhibitory peptides.



- 3 Project Title :** **Preparation of Functional Fermented Milk Enriched with Bioactive Peptides obtained from the Milk of Indigenous Cow Breeds of Vidharbha and Marathwada Region of Maharashtra**
- Investigators :** P.S. Patil, A.R. Sarode, V. K. Lule, M.R. Patil and P.D. Sawale
- Name of the College :** College of Dairy Technology, Warud (Pusad)
- Recommendation :** Peptide rich formulation (3kDa permeate) obtained from Gaolao cow milk fermented by using *Lactobascillus helveticus* NCDC 292 is recommended for use as a functional ingredient to get the enhanced alpha-glucosidase, DPP-IV and ACE-I inhibitory activity.
- 4 Project Title :** **Fortification of selected indigenous dairy products with omega-3 fatty acids using microcapsules of flaxseed oil powder: A novel approach for promoting health and well being of consumer.**
- Investigators :** S.S. Chopde, M.R. Patil, P.G. Wasnik, N.R. Pawar, S.D. Kalyankar and V.K. Lule
- Name of the College :** College of Dairy Technology, Udgir
- Recommendation :** A process involving a mixture of 20% flaxseed oil and 80% coating material (75:25 ratio of skim milk powder to modified starch) to prepare an aqueous emulsion with 35% total solids, followed by high-speed shearing at 20,000 rpm for 10 minutes and subsequent spray drying recommended to prepare a omega - 3 enriched microcapsules of flaxseed oil powder with high microencapsulation efficiency and good oxidative stability at room temperature.
- 5 Project Title :** **Fortification of selected indigenous dairy products with omega-3 fatty acids using microcapsules of flaxseed oil powder: A novel approach for promoting health and well being of consumer.**
- Investigators :** S.S. Chopde, M.R. Patil, P.G. Wasnik, N.R. Pawar, S.D. Kalyankar and V.K. Lule
- Name of the College :** College of Dairy Technology, Udgir
- Recommendation :** Fortification of Kulfi with microcapsules of flaxseed oil powder (MFOP) by replacing 15% of milk fat with MFOP is recommended to meet 61.87% of the recommended daily allowance for alpha linolenic acid per 100 g serving of Kulfi without significant change in sensory attributes and ensuring good oxidative stability.
- 6 Project Title :** **Fortification of selected indigenous dairy products with omega-3 fatty acids using microcapsules of flaxseed oil powder: A novel approach for promoting health and well being of consumer.**
- Investigators :** S.S. Chopde, M.R. Patil, P.G. Wasnik, N.R. Pawar, S.D. Kalyankar and V.K. Lule
- Name of the College :** College of Dairy Technology, Udgir
- Recommendation :** It is recommended to fortify Shrikhand and Lassi with microcapsules of flaxseed oil powder @ 4.64 gm per 100 gm and @ 8.90 gm per 200



ml, respectively to achieve 50% of the recommended dietary allowance for alpha linolenic acid per 100 gm serving of Shrikhandand 60% of the recommended dietary allowance of alpha linolenic acid per 200 ml serving of Lassi without significant change in sensory attributes and ensuring good oxidative stability of both products.

- 7 Project Title :** **Fortification of selected indigenous dairy products with omega-3 fatty acids using microcapsules of flaxseed oil powder: A novel approach for promoting health and well being of consumer.**
- Investigators :** S.S. Chopde, M.R. Patil, P.G. Wasnik, N.R. Pawar, S.D. Kalyankar and V.K. Lule
- Name of the College :** College of Dairy Technology, Udgir
- Recommendation :** It is recommended to fortify Peda and Santra Burfi with microcapsules of flaxseed oil powder @ 4.65 gm to achieve 30% and @ 5.27 gm to achieve 35% of the recommended dietary allowance for alpha linolenic acid per 40 gm serving respectively, maintaining sensor attributes while ensuring good oxidative stability.
- 8 Project Title :** **Dietary inclusion of rice DDGS supplemented with protease through different growth phases in broiler**
- Investigators :** G.A. Butle, A.P. Dhok, S.V. Chopde, M.R. Jawale, B.N. Ramteke, P.M. Sonkusale and D.B. Bhaisare
- Name of the College :** Nagpur Veterinary College, Nagpur
- Recommendation :** It is recommended to include rice DDGS in broiler diet at 20 percent level during starter and finisher phase supplemented with protease enzyme (10000 EPU) @ 300 g/ton of feed for economical broiler production.
- 9 Project Title :** **Effect of dietary supplementation of phytosome conjugated carvacrol and cinnamaldehyde essential oil on performance and gut health of broiler chicken**
- Investigators :** Jaishri Chaurasia, S.V. Chopde, M.R. Jawale, A.P. Dhok, B.N. Ramteke, M.M. Kadam, M.S. Hedau and N.V. Kurkure
- Name of the College :** Nagpur Veterinary College, Nagpur
- Recommendation :** It is recommended to supplement phytosome conjugated cinnamaldehyde essential oil @ 100 mg per kg in broiler chicken feed as a potential natural growth promoter in place of antibiotic and also to improve growth performance, gut health and economical broiler production.
- 10 Project Title :** **Effect of supplementation of oregano essential oil on performance of broiler chicken**
- Investigators :** G.S. Gavhad, G.M. Gandegaonkar, M.M. Vaidya, R.C. Kulkarni, S.G.



- Chavhan, S.P. Awandkar and S.J. Komatwar
- Name of the College :** College of Veterinary and Animal Sciences, Udgir
- Recommendation :** It is recommended to supplement oregano essential oil @ 400 mg/kg of broiler feed for improved growth performance, gut health and profitable broiler production.
- 11 Project Title :** **Influence of slaughter age on performance and meat quality of ross broiler chicken**
- Investigators :** Harshal Bokade, M.M. Kadam and D.B. Bhisare
- Name of the College :** Nagpur Veterinary College, Nagpur
- Recommendation :** Considering the meat quality, immunity and welfare for economic Ross broiler production, it is recommended to rear the Rossbroiler birds up to 35 days of age.
- 12 Project Title :** **Performance of commercial broilers under separate sex rearing and feeding**
- Investigators :** N. Dhore, A.S. Kadam, V.D. Lonkar, C.S. Mote, S.N. Jadhav and B.R. Kadam
- Name of the College :** KNP College of Veterinary Science, Shirwal
- Recommendation :** It is recommended to include crude protein @ 18% in male and 19.5% in female broiler finisher diets with 3200 kcal ME/kg under separate sex rearing system..
- 13 Project Title :** **Development of mobile application for prediction of live body weights in cattle**
- Investigators :** T.C. Shende
- Name of the College :** KNP College of Veterinary Science, Shirwal
- Recommendation :** It is recommended to use Pashubhar mobile application for prediction of live body weight of HF crossbred cattle considering selected body dimensions measurements.
- 14 Project Title :** **Development of mobile application for prediction of live body weights in cattle**
- Investigators :** T.C. Shende
- Name of the College :** KNP College of Veterinary Science, Shirwal
- Recommendation :** It is recommended for scientists and farmers to use the equation $y = 1049.436 + (3.144) * \text{Heart Girth} + (2.656) * \text{Abdominal Girth} + (1.161) * \text{Scapulo Ischial Length} + (1.028) * \text{Height at Wither} + e$ may be used with 84.9% accuracy for the prediction of the live body weight of HF crossbred cattle.
- 15 Project Title :** **Prediction of live body weight using linear body measurements in Pandharpuri Buffalo**
- Investigators :** T.C. Shende, A.Y. Doiphode, A.K. Barate, S.M. Bhalerao and M.N.



Rangnekar
Name of the College : KNP College of Veterinary Science, Shirwal
Recommendation : It is recommended for scientists and farmers to use the equation $y = -259.90 + (4.612) * NG + (2.47) * DHK + (1.529) * SIL - (1.79) * HAW + (0.799) * AG + e$ with 86.5% accuracy for the prediction of the live body weight of Pandharpuri Buffaloes.

5.4.2 Recommendations for Veterinary Clinicians/Practitioners/Dispensaries

- 1 **Project Title :** **Comparative evaluation of plain and end threaded Steinman pin for intramedullary pinning of long bone fracture in dog.**
Investigators : Rahul Dhongade, Dr. B. K. Bhadane, Dr. S. B. Akhare and Dr. G. A. Fiske
Name of the College : Nagpur Veterinary College, Nagpur
Recommendation : The end-threaded intramedullary pin with a self-tapping point is cost-effective and easy for internal immobilization of long bone diaphyseal fractures in young dog as compared to Steinmann pin.

- 2 **Project Title :** **Anaesthetic efficacy of diazepam-ketamine-guaifenesin combination to relieve esophageal obstruction in buffalo.**
Investigators : Dr. A. C. Ghodake, Dr. S. S. Pitlawar, Dr. R. V. Suryawanshi, Dr. S. A. Dhenge, Dr. S. G. Chavhan and Dr. P. M. Ghule
Name of the College : College of Veterinary and Animal Sciences, Udgir
Recommendation : It is recommended that, obstructed esophageal foreign body can be dislodged into rumen using probang under the anaesthetic protocol of diazepam (@ 0.4 mg/kg BW I/V) and ketamine-guaifenesin combination (2 mg/mL ketamine and 50 mg/ml guaifenesin in D-5% 500 ml @ 1.5 ml/kg BW I/V) provide adequate muscle relaxation of oesophageal muscles. The dislodged foreign body into rumen can be removed by rumenotomy.

- 3 **Project Title :** **Clinical evaluation of titanium elastic nailing techniques for fracture repair in small animals.**
Investigators : Aman Kumar Tiwari and Dr. S. A. Chauhan
Name of the College : KNP College of Veterinary Science, Shirwal
Recommendation : Titanium elastic nailing technique is recommended for transverse, oblique and distal diaphyseal long bone fracture repair in skeletally immature dogs & cats owing to its early weight bearing and ambulation.

- 4 **Project Title :** **Clinico-pathological and molecular studies on malignant catarrhal fever in bubalines and ovines**
Investigators : Arunesh Kumar R., V.S. Dhaygude, C.S. Mote, C.D. Bhong, M.S. Budhe and S.B. Swami
Name of the College : KNP College of Veterinary Science, Shirwal, Dist-Satara (MS)



- Recommendation** : It is recommended to the field veterinarians to consider sheep associated-malignant catarrhal fever (SA-MCF) in differential diagnosis of buffaloes with clinical signs like high fever, anorexia, enlargement of prescapular lymph nodes, ocular and nasal discharge, bilateral corneal opacity, congestion of ocular mucous membranes and respiratory distress and salivation.
- 5 Project Title** : **Etiology of monsoon mastitis**
S.P. Awandkar, P.S. Masare and M.B. Kulkarni
- Investigators** : College of Veterinary & Animal Sciences, Udgir
- Name of the College** : It is recommended to consider the possibility of involvement of unusual zoonotic yeast(s) like *Kodamaea ohmeri* in clinical mastitis cases not responding to antibiotics and suggested to perform antifungal susceptibility test before treatment of fungal origin mastitis.
- Recommendation** :
- 6 Project Title** : **1. Detection of acaricidal resistance to deltamethrin in Rhipicephalus microplus ticks from Nagpur region of Maharashtra State**
2. In-vitro evaluation of acaricide resistance status in Hyalomma spp. from Marathwada region of Maharashtra
- Investigators** : 1. P.G. Manmod, P.D. Jumde, S.G. Jadhao and S.W. Kolte
2. S.T. Kadam, G.M. Chigure, B.W. Narladkar, B.S. Khillare, S.T. Kalwaghe and N.D. Jadhav
- Name of the College** : 1. Nagpur Veterinary College, Nagpur
2. College of Veterinary & Animal Sciences, Parbhani
- Recommendation** : The ticks *Rhipicephalus microplus* and *Hyalomma anatolicum* were found resistant to deltamethrin, therefore for control of these ticks, use of deltamethrin may be avoided.
- 7 Project Title** : **Wound healing activity of Clerodendrum infortunatum extract ointments in cattle**
- Investigators** : R.P. Limsay, A.P. Somkuwar, A.R. Kokate, Prabhu Ram and G.A. More
- Name of the College** : Nagpur Veterinary College, Nagpur
- Recommendation** : It is recommended to use the methanolic extract of *Clerodendrum infortunatum* (Khanduchakka) plant leaves at the concentration of 10% in ointment base for cure of wound in animals.



5.4.3 Recommendations for Academicians/Researchers/Diagnostics/Pharmaceutical Companies

- 1 **Project Title** : **Effect of coasting period following super stimulation on transvaginally retrieved oocyte yield and in vitro blastocyst production in indigenous cows.**
Investigators : Dr. M. S. Patil, Dr. D.S. Raghuwanshi, Dr. A.P. Gawande, Dr. M.S. Bawaskar, Dr. S.A. Ingle and Ms. Sheetal D. Munjewar, Dr. A.M. Shende
Name of the College : Nagpur Veterinary College, Nagpur
Recommendation : In indigenous cows, following super stimulation with hormone FSH-P (@ total 100 mg decreasing dose rate) for transvaginal oocyte aspiration and in vitro embryo production, coasting period of 48 hours yields significantly higher number of oocytes and expanded blastocysts.

- 2 **Project Title** : **Pathological and molecular study on bovine respiratory syncytial virus (BRSV) infection in bovines**
Investigators : B.P. Kamdi, R.S. Ingole and S.W. Hajare
Post Graduate Institute of Veterinary and Animal Sciences, Akola
Name of the College : It is recommended to include Bovine Respiratory Syncytial Virus (BRSV) as one of the pathogens during etiological diagnosis of pneumonia in cattle and buffaloes from Maharashtra.
Recommendation :

- 3 **Project Title** : **Knowledge and attitude of milk producers towards silage making: An interventional study**
Investigators : Dr. S. V. Sawandkar, Dr. N. V. Khode and Dr. S. R. Avhad
Name of the College : College of Veterinary and Animal Sciences, Udgir
Recommendation : It is recommended that, extension functionaries should plan training using a combination of teaching methods which offer an opportunity to hear, read, watch and experience or practice silage making.

5.5 RESEARCH PUBLICATIONS

In the year 2024-25, the faculty of the University produced a total of 343 research publications, with 286 national and 57 international papers

5.5.1 Faculty and College wise number of Research Publications

The Faculty of Veterinary Science contributed 317 papers (275 national, 42 international). Overall, the Faculty of Dairy Technology published nine papers, while the Faculty of Fishery Science published 17 papers. The information pertaining to the faculty-wise number of research papers is given in Table 5.7.

**Table 5.7 Faculty wise number of research publications**

Sr.No.	Name of College	National	International	Total
Faculty of Veterinary Science				
1	MVC, Mumbai	59	00	59
2	NVC, Nagpur	82	11	93
3	COVAS, Parbhani	47	16	63
4	COVAS, Udgir	21	00	21
5	KNPCVS, Shirwal	37	04	41
6	PGIVAS, Akola	28	03	31
7	WRTC, Gorewada	01	08	09
Total		275	42	317
Faculty of Dairy Technology				
8	CDT, Warud	04	03	07
9	CDT, Udgir	02	00	02
Total		06	03	09
Faculty of Fisheries Science				
10	COFS, Nagpur	05	07	12
11	COFS, Udgir	10	05	05
Total		05	12	17
Grand Total		286	57	343

5.5.2 Department wise number of Research Publications

The information pertaining to the department-wise number of research papers of the three faculties under the university is given in Table 5.8.

Table 5.8 Department wise number of Research Publications

Sr.No.	Name of Department	National	International	Total
A. Faculty of Veterinary Science				
1	Veterinary Anatomy & Histology	5	0	5
2	Veterinary Physiology	16	2	18
3	Veterinary Biochemistry	4	1	5
4	Veterinary Pharmacology & Toxicology	26	1	27
5	Veterinary Parasitology	10	4	14
6	Veterinary Microbiology	18	0	18
7	Veterinary Pathology	11	1	12
8	Veterinary Public Health	10	5	15
9	Animal Nutrition	14	6	20
10	Animal Genetics and Breeding	13	6	19
11	Livestock Production & Management	18	0	18
12	Livestock Products Technology	10	3	13
13	Animal Reproduction, Gynaecology & Obstetrics	24	0	24
14	Veterinary Surgery & Radiology	38	0	38
15	Veterinary Clinical Medicine, VNM and RIL	36	4	40
16	Veterinary & Animal Husbandry Extension	4	0	4



17	Poultry Science	15	1	16
18	Livestock Farm Complex	2	0	2
19	Veterinary Clinical Complex	0	0	0
20	Wildlife Research & Training Centre	1	8	9
Total		275	42	317
B. Faculty of Dairy Technology				
1	Dairy Chemistry	3	0	3
2	Dairy Technology	0	0	0
3	Dairy Engineering	0	3	3
4	Dairy Microbiology	1	0	1
5	Dairy Business Management	2	0	2
6	Student Training Dairy Plant	02	0	02
Total		6	3	9
C. Faculty of Fishery Science				
1	Fisheries Extension, Economics and Statistics	0	0	0
2	Aquatic Environment Management	0	0	0
3	Fish Processing Technology	3	0	3
4	Fisheries Engineering	1	1	2
5	Aquaculture	1	10	11
6	Fisheries Resource Management	0	1	1
7	Aquatic Animal Health Management	0	0	0
Total		5	12	17
Grand Total		286	57	343

5.6 REGISTRATION OF NEW BREEDS:

Registration of New Pig Breed –Karkambi





अंशे विशेष

Karakambi Pig Breed: करकम्बी वराहाची राष्ट्रीय पातळीवर नोंद

Nationally Registered: करकम्बी या महाराष्ट्रातील पहिल्या आणि देशातील पंधराव्या वराह (दुवकर) जातीची नोंद कर्नाल (हरियाणा) येथील राष्ट्रीय पशु आनुवांशिकी संशोधन संस्थेमध्ये करण्यात आली आहे.



The proposal submitted by KNP College Veterinary Science Shirwal, MAFSU, Nagpur for registration of the Karkambi Pig has been approved by ICAR-NBACR, Karnal. This makes a historic achievement as it is the first pig breed of Maharashtra and 15th pig breed registered in india



6. FARM ACTIVITIES

6.1 LIVESTOCK FARMS

6.1.1 Farm Establishment and Mandate: Enhancing Livestock Conservation and Education

1. Livestock Farm Complex, Goregaon, MVC, Mumbai

Established in 1974, this farm plays a key role in providing hands-on training and practical demonstrations to B.V.Sc. & AH students, farmers, and faculty members. It is actively involved in research and development in goat and dairy farming, enhancing students' practical learning experience. The farm is also dedicated to conserving the Murrah buffalo, a high-yielding dairy breed, and focuses on creating site-specific technologies to improve animal productivity and develop sustainable farming practices.

2. Cattle Breeding Farm and Dangi Cow Research Station, Igatpuri

Established in 1946, this farm is dedicated to the conservation and breeding of Dangi cattle, a breed well adapted to regions with high rainfall. The farm plays a vital role in ensuring the survival and genetic purity of the Dangi breed, which is known for its endurance in hilly and wet conditions. It also contributes to scientific research and selective breeding strategies for improving cattle performance in adverse conditions.

3. Livestock Farm Complex, NVC, Nagpur

Founded in 1890, this farm focuses on the conservation of two important breeds: the Nagpuri buffalo, valued for its milk production, and the Gaolao cow, known for its draught abilities. The farm ensures the genetic preservation of these indigenous breeds and serves as a practical demonstration center for students and research. Focusing on these local breeds supports sustainable livestock farming in the region.

4. Livestock Farm Complex, COVAS, Parbhani

The Livestock Farm Complex at COVAS, Parbhani, plays a multi-functional role in the conservation of indigenous livestock breeds such as Red Kandhari cattle, Marathwadi buffalo, Osmanabadi goat, and Deccani sheep. Established for both research and education, it provides training to veterinary students and serves as a demonstration unit for sustainable farming practices. The farm contributes significantly to the conservation of pure germplasm and the development of local breeds.

5. Livestock Farm Complex, COVAS, Udgir

Founded in 1952, this farm focuses on the conservation of Deoni cattle, renowned for their dual-purpose qualities of milk and draught, and is also engaged in the conservation and genetic improvement of Marathwadi buffalo and Osmanabadi goats, known for their hardiness and adaptability. The farm is also involved in fodder production, which ensures sustainable livestock farming by providing quality feeds. It serves as a research and training hub for veterinary students and local farmers alike.



6. MAFSU-Sub-Center, Udgir

The MAFSU Sub-Center in Udgir, established in 2003, is dedicated to conserving and genetically improving indigenous livestock breeds. The farm focuses on Deoni cattle, renowned for their dual-purpose utility in both milk production and draught power, as well as Marathawadi buffalo and Osmanabadi goats, which are known for their resilience and adaptability to local conditions. Additionally, the farm engages in fodder production to ensure a sustainable feed supply that supports livestock farming. It also serves as a valuable training ground for veterinary students, offering hands-on experience in breed conservation and in farm management practices.

7. Livestock Farm Complex, KNPCVS, Shirwal

Established in 1992, the farm at KNPCVS, Shirwal, is engaged in the conservation and genetic improvement of Khillar cattle, Pandharpuri buffaloes, and Sangamneri goats. These breeds are well adapted to local conditions and are crucial for sustainable livestock farming in the region. The farm also serves as an educational and demonstration center, providing students with hands-on training in livestock management and conservation.

8. Purnathadi Buffalo Farm, COVAS, Akola

Founded in 2008-09, this farm is dedicated to the conservation of the Purnathadi buffalo, a breed known for its resilience and productivity. The farm provides comprehensive facilities for teaching, research, and extension activities, helping promote scientific research on buffalo breeding and management. It plays an essential role in sustaining the breed while offering practical training to the veterinary students.

9. Berari Goat Deccani Sheep Research Demonstration and Training Center, Borgaon (Manju), Akola

Established in 2001, this center focuses on the conservation, research, and demonstration of Berari goats and Deccani sheep breeds. It provides training to farmers and veterinary students and showcases sustainable breeding and management practices. The farm also serves as a research hub, contributing to the improvement of these breeds, which are vital to the small ruminant farming sector in the region.

6.1.2 Livestock Strength

The livestock and poultry strength across the university's research and livestock farms highlights a diverse range of species:

- **Livestock:** The University maintains a total of 1,282 animals, including 513 cattle, 225 buffaloes, 84 sheep, and 460 goats. Parbhani houses the largest livestock population with 279 animals, followed by Nagpur with 185 animals and MAFSU, Sub-Center, Udgir with 162 animals.
- **Poultry:** A total of 3485 poultry birds are distributed across the centers, with Shirwal leading with 1,631 birds, followed by COVAS, Akola (1,360) and Parbhani (280).

Each center specializes in specific breeds and species, such as the Dangi Cow Research Station in Igatpuri focusing solely on cattle (139 animals), and the Borgaon center dedicated to goat and sheep research with 129 animals.



Table 6.1 The livestock and poultry strength at various farms under the University is given below.

Sr. No.	Name of Farm	Livestock Strength					Poultry
		Cattle	Buffalo	Sheep	Goat	Total	Total
1.	LFC, MVC, Mumbai	24	14	15	61	114	-
2.	CBF and Dangi Cow Research Station, Igatpuri	139	-	-	-	139	-
3	LFC, NVC, Nagpur	68	50	02	65	185	214
4	LFC, COVAS, Parbhani	158	28	43	50	279	280
5	LFC, COVAS, Udgir	38	28	11	46	123	-
6	MAFSU, Sub-Center, COVAS, Udgir	51	45	-	66	162	-
7	LFC, KNPCVS, Shirwal	28	31	-	56	115	1631
8	LFC, PGIVAS, Akola	07	29	-	-	36	1360
9	Berari Goat, Deccani Sheep Res. Center, Borgaon (Manju)	-	-	13	116	129	-
Grand Total		513	225	84	460	1282	3485

6.3 Availability of Land and Fodder

The university's research and livestock farms have a total of 838.57 acres of land available for cultivation, grazing, and other purposes, with the largest landholdings at Borgaon (Manju), Akola (319 acres) and Igatpuri (162 acres). A significant portion of the land is dedicated to fodder production to sustain livestock.

Across all farms, 4278.08 metric tons (MT) of green fodder and 290.90 MT of dry fodder were produced, with a total fodder output of 4,568.98 MT. The highest fodder production occurred in Parbhani, producing 1,899 MT, followed by Shirwal (484 MT) and Mumbai (476.20 MT). These farms ensure a steady supply of fodder for livestock through a combination of cultivated and grazing lands, contributing to sustainable livestock management.

Table 6.2 Availability of land and fodder at various farms under the University.

Sr. No.	Name of the Fram	Land (Acres)				Fodder Production		
		Cultivation	Grazing	Any other	Total	Green	Dry	Total
1.	LFC, MVC, Mumbai	15.00	-	20.00	35.00	476.20	-	476.20
2.	CBF and Dangi Cow Res. Station, Igatpuri	33.00	114.00	15.00	162.00	291.70	57.70	349.40
3	LFC, NVC, Nagpur	20.20	05.00	25.00	50.20	367.00	100.00	467.00
4	LFC, COVAS, Parbhani	100.00	10.00	10.00	120.00	1833.00	66.00	1899.00
5	LFC, COVAS, Udgir	20.00	25.00	-	45.00	350.00	29.00	379.00
6	MAFSU-Sub-centre, Udgir	18.00	25.00	-	43.00	350.00	29.00	379.00
7	LFC, KNPCVS, Shirwal	36.52	0.48	20.00	57.00	481.35	2.20	483.55
8	LFC, PGIVAS, Akola	7.45	-	-	7.45	96.93	7.00	103.93
9	Berari Goat, Deccani Sheep Res. Center, Borgaon (Manju), Akola	7.00	291.92	20.00	318.92	31.90	-	31.90
Grand Total		257.17	471.40	110.00	838.57	4278.08	290.90	4568.98



6.4 Revenue Generation

The university's livestock and research farms generate substantial revenue through various activities, amounting to Rs.1.07 crores (107 lakhs). The primary sources of income include the sale of milk, animals, birds, eggs, and other farm products, such as fodder, seeds, and compost.

- **Sale of Milk:** The largest contributor to revenue, amounting to Rs. 53.58 lakhs, which comes from the sale of milk, with Nagpur (Rs.20.37 lakhs) and Mumbai (Rs. 8.41 lakhs) being the highest earners.
- **Sale of Animals/Birds:** This activity generated Rs. 22.41 lakhs, with Shirwal (Rs. 7.67 lakhs) and Parbhani (Rs. 4.20 lakhs), leading to sales.
- **Other Income:** Additional income sources such as extension training (Rs. 8.02 Lakh), sale of eggs (Rs.7.16 lakhs), fodder, and other products such as earthworms and compost (Rs.8.07 lakhs) contributed to the farm's financial sustainability. These diverse revenue streams help sustain farm operations while supporting research, education, and extension services in the field.

Table 6.3 Information regarding revenue generation at various farms.

Sr. No.	Name	Receipt (Rs. Lakh)							Total (Rs)
		Extension Trainings	Sale of Milk	Sale of animals/ birds	Sale of eggs	Sale of fodder stumps / seed / Azolla, etc.	Auction of animals	Any other item (Earthworm, compost, grains, etc)	
1.	LFC, MVC, Mumbai	2.29	8.41	2.52	-	-	-	-	13.22
2.	CBF and Dangi Cow Res. Station, Igatpuri	0.24	-	1.54	0.69	-	-	1.20	3.67
3	LFC, NVC, Nagpur	4.07	20.37	3.25	0.76	0.51	-	-	28.96
4	LFC, COVAS, Parbhani	-	6.89	4.20	3.30	0.65	-	0.70	15.74
5	LFC, COVAS, Udgir	-	2.98	0.38	-	4.29	-	4.85	12.50
6	MAFSU-Sub-centre, Udgir	-	3.19	0.99	-	2.14	-	0.81	7.13
7	LFC, KNPCVS, Shirwal	0.30	7.65	7.67	0.75	0.26	-	0.25	16.88
8	LFC, PGIIVAS, Akola	-	4.09	-	-	0.22	0.38	-	4.69
9	Berari Goat, Deccani Sheep Res. Center, Borgaon (Manju)	1.12	-	1.86	1.66	-	-	-	4.64
	Grand Total (Lakhs)	8.02	53.58	22.41	7.16	8.07	0.38	7.81	107.43



6.2. FISH FARMS

1. Fish Seed Production Centre, COFS, Nagpur

The Fish Seed Production Centre of College of Fishery Science, Nagpur was established in the year 2007-2008. The Centre has a circular hatchery mainly comprising of Spawning Pool (1 no.), Incubation pools(02no.)and spawnery (01 no.) and is regularly involved in seed production of Indian Major Carps namely; Catla (C. catla), Rohu (L. rohita), and Mrigal (C. mrigal). Additionally, the centre has a seed rearing facility comprising of 06 Nursery ponds (1400m²), 03 Rearing ponds (2000 m²) & 03 stocking ponds (4080 m²). The total area of the centre is 2.38 ha and the water spread area is 0.78 hectare. Seed in the form of spawn, fry, semi-fingerling and fingerling is produced in the centre.

The facilities of the centre are regularly used for providing hands' on experience to the undergraduate students of fisheries faculty as well as for student internship under the READY program. The fish seed produced is supplied to various stakeholders viz; fish farmers, fishermen (Bhoi/ Dhiwar), entrepreneurs, hobbyists and selected beneficiaries of state fisheries department. The centre is regularly visited by various schools, junior colleges and senior colleges in and around Nagpur district. The centre also conducts paid training programmes on freshwater fish culture for the stakeholders.



Fish Ponds



Circular Carp Hatchery

2. Educational Fish Farm, COFS, Udgir

The educational fish farm, COFS, Udgir was established in the year 2011. The farm is equipped with a wet laboratory, four rearing ponds, and four nursery ponds. A Fiber glass Reinforced Plastic (FRP) Carp Hatchery Unit is also established through funding from the Rajiv Gandhi Science and Technology Commission (RGSTC), Mumbai. These facilities are extensively utilized for teaching, research and extension activities. The farm served as a vital center for Experiential Learning, Skill Development Programs, and Project Work under the Student READY Program 2024-25. Practical sessions for the Training Program on Fish Culture in Small Reservoirs and a workshop conducted during Fish Farmers' Day were successfully organized at the farm. In addition, regular B.F.Sc. practical classes were held at the farm throughout the academic year, providing students with real-time exposure to fish culture, pond management, and farm operations.



Student READY Program at Educational Fish Farm



FRP Carp Hatchery Unit



6.3 DAIRY PLANTS

1. Students Training Dairy Plant, College of Dairy Technology, Warud

Milk processing and dairy products manufacturing unit: The processing unit had capacity of 300 LPH (liter milk per hour) and second was established in 2020 i.e. Ice cream and Candy Manufacturing unit with capacity of 200 lit per batch with storage and transportation facilities. Both Experiential Learning Units are established through funding from ICAR, New Delhi. These facilities are extensively utilized for Teaching, Research and extension activities.

Using this resources and revolving fund in 2024-25, college successfully procured milk from farmers and local vendors for students “Hands on Training”. The final year students will do survey in local area to set raw milk purchase policy, then procure milk from local farmer and vendor, manufacture the milk product as per demand and sell it. This financial year ELU generated the receipt of Rs 430538/- and earned profit of Rs 106661/-.

As per ICAR guidelines the college distributed the 50% of profit to the students. In addition to this the ELU units are utilized for providing the Dairy entrepreneurship, Quality control, and product manufacturing training to the new entrepreneurs, farmers, SHG, unemployed youth to help them to establish their own dairy Business.



Milk pouch packing operation in STDP



Paneer Production in Student Training Dairy Plant (STDP)

2. Student Training Dairy Plant, College of Dairy Technology, Udgir

College of Dairy Technology, Udgir has established a state-of-the-art Student Training Dairy Plant in December 2012 under the Marathwada Development Plan. This facility was created to provide practical, hands-on training to students of the B.Tech (Dairy Technology) program as well as to support dairy farmers and new entrepreneurs. The plant focuses on various aspects of dairy technology, including liquid milk processing, manufacturing of dairy products, maintenance, and the operation of specialized equipment.

In financial year 2024-25 STDP has successfully arranged six months “Hands on Training and Experiential Learning Programme” for 23 students of 8th semester B.Tech (Dairy Technology) and procured 1382 liter milk from local vendors and generated receipt of Rs. 1,44,817/- with profit of Rs.15,965/-. In addition to this STDP has provided the three days training on “value addition of milk products” to 19 dairy farmers across Maharashtra with training fees of Rs.1000/trainee.



Training programme on "Production of Value added Dairy Products"



Sale counter for sale of dairy products prepared under HT&EL programme



7. EXTENSION

Extension activities being carried out in the university are striving to bring the changes through modern technology adoption in animal husbandry, dairy technology and fisheries for sustainable development and improved productivity for the farming communities. Extension is an important pillar of the University imparting farm-based education. The production oriented innovative technologies developed through research are fully utilized only when these technologies are effectively transferred to the farming communities and other end users for their benefits. Under an umbrella of the Directorate of Extension Education the work of the field extension education activities is mainly carried out through the Directorate and the constituent colleges, KVK's and affiliated diploma colleges of the University. By imparting skill-based trainings for strengthening the entrepreneurial activities in the rural areas, the directorate is actively involved in the training and capacity building initiatives for the professionals, farmers, women and the unemployed youth across the state.

7.1 PROJECTS SANCTIONED

The Directorate of Extension Education is implementing the following extension-based projects during the 2024-25. These projects include the major activities like capacity building for the dairy farmers through peer learning in Micro Training Centres, capacity building of Pashusakhis and Lead Women for Empowerment of Women SHGs engaged in Goat and Poultry Farming in Maharashtra through MAVIM, Mumbai, training of Pashusakhis for the goat and poultry development in the rural areas through the SMART supported FPOs. The MAITRI trainings are specifically designed for creating a dedicated cadre of artificial insemination technicians for the rural areas. This trained human resource will act as the extension functionaries in the field and will help in disseminating the scientific technologies for the livestock farming community. Besides this, the capacity building of Animal Husbandry Officers on Good Animal Husbandry Practices for Enhancing Livestock Productivity, Animal Welfare and Food Safety is another project targeting the field veterinarians for improving animal welfare and food security issues in livestock production systems. The project addressing special categories of stakeholders like SC, ST and women are also targeted through specially designed projects for these sections in their native tracts like Gadchiroli, Nadurbar, Nanded and Amravati. The Director of Extension Education is the Project Leader for all the below listed ongoing projects with a budget of Rs 977.39 Lakhs.

Table 7.1- List of Ongoing/Completed Extension Projects

Sr. No.	Title of the project	Funding Agency	Project Co-ordinator	Budget Provision (In Lakhs)
1	Establishment of Micro Training Centre	NDDDB, Anand	Dr. S. P. Landge	23.87
2	Capacity building of pashusakhis and lead women for empowerment of women SHG engaged in goat and poultry farming in Maharashtra	MAVIM, Mumbai	Dr. D. S. Deshmukh	417.00
3	Skill Upgradation Training for Pashusakhis for Improving Goat and Poultry Farming”, under Balasaheb Thackeray Agribusiness and Rural Transformation Project (SMART), Animal Husbandry Department Govt. of Maharashtra	SMART Cell Dept. of AH, Govt of Mah.	Dr. S. P. Landge	134.06



4	Capacity building of animal husbandry officers on good animal husbandry practices for enhancing livestock productivity, animal welfare and food safety	Department of Animal Husbandry and Dairying, Govt. of Maharashtra under SMART Project.	Dr. G. J. Panchbhai	28.80
5	Rashtriya Gokul Mission Multipurpose Artificial Insemination Technicians in Rural India (MAITRI)	Maharashtra Livestock Development Board Nagpur	Dr. A. U. Bhikane	195.30
6	Bestowing the sustainable livelihood to the folks at Gadchiroli through breeding management practices	ICAR- TSP	Dr. Kranti P. Kharkar	11.20
7	Upliftment of socioeconomic status of tribals by providing livelihood security through interventions of scientific animal husbandry practices in tribal area of Melghat region of district Amravati under Maharashtra state	ICAR- TSP	Dr. A.P. Dhok	24.00
8	Installation of Poultry shelter model in Backyard of Shedule Tribe families of Nagpur district to develop entrepreneur	ICAR- TSP	Dr. M. M. Kadam	05.00
9	Strengthening the Veterinary Services delivery System in Gadchiroli District of Maharashtra State	ICAR – TSP-New Delhi	Dr. Alka Sawarkar	07.75
10	'Socio-economic Empowerment of Scheduled Caste (SC) Community Farmers through Sustainable Goat Farming Enterprises in Nagpur District of Maharashtra State'	ICAR SCSP, New Delhi	Dr. Vijay K. Basunathe	07.63
11	Training of scheduled caste farmers on scientific goat farming in western Maharashtra and Scientific goat farming for sustainable livelihood of scheduled caste farmers in western maharashtra	ICAR-NIHSAD and MAFSU	Dr. P. D. Pawar	27.00
12	Clean and Safe Milk Production'	ATMA, Akola	Dr. S.P. Awandkar	00.25
13	Socio-Economic Development of Schedule Tribe (ST) through Demonstration and Training for Agriculture, Dairy, Goatery, and Poultry Interventions in Yavatmal District of Maharashtra State	Yavatmal District	Dr. G. N. Narnaware	23.00
14	Dairy farm management and Manufacturing of Value-added Dairy Products i. Upliftment of farmers through dairy Business (Three Day training Program) ii. Technology for preparation of milk products at cottage level for enhancing the livelihood of farmers (One Day Workshop)	ATMA, Latur	Dr. M. R. Patil	01.25



	iii. Manufacturing of value-added dairy products (On farm Demonstrations)			
15	Development of organized fish seed production, culture and marketing to ensure sustainable livelihood development in aquaculture in Gadchiroli district.	Science and Technology Resource Centre, Gondwana University, Gadchiroli	Dr. P. A. Telvekar	58.10
16	Feasibility Study of Farm Ponds Based Qquaponics Techniques in Maharashtra State.	Rajiv Gandhi Science and Technology Commission. (RGSTC), Taraporewala Marine Biological Research Station (TMBRS), Mumbai under DRBSKKV, Dapoli	Mr. S. W. Belsare	13.18
Total				977.39

Progress of Projects

1. Establishment of Micro Training Centres (MTCS)

The Directorate of Extension Education, MAFSU, Nagpur has established three Micro Training Centres (MTCs) at Bina, Tq. Kamptee, District, Nagpur; Jogaheti, Tq. Karanja Dist. Wardha and Kamnapur Ghusli, Tq. Dhamangaon Railway, Dist. Amravati Districts for the farmers training through farmer-farmer training modules in collaboration with NDDDB, Anand, Gujarat with a budget of Rs. 23.87 Lakhs for the training of 4320 dairy farmers. The three MTCs have organized 126 trainings and a total of 3289 dairy farmers were trained from start of the project.



Demonstration of feed formulation at MTC, Nagpur



Demonstration of biogas unit at MTC Amravati

2. Capacity building of Pashusakhi and Lead women for empowerment Women SHGs engaged in goat and poultru farming in Maharashtra.

Under MAVIM sponsored project a total of 1015 Pashusakhis have completed 10 days training on goat farming module-I and 878 Pashusakhis have completed 5 days training on goat farming



module-II and these trained Pashusakhis are delivering extension services in 1050 villages in Maharashtra.



Glimpses of MAVIM Sponsored Pashusakhi Trainings

3. Skill upgradation training for Pashusakhis for improving goat and poultry farming

SMART Project funded by Government of Maharashtra on, "Skill upgradation training for Pashusakhis for improving goat and poultry farming" was implemented in the constituent colleges of the University during 2023-24 and 2024-25 wherein nine trainings with a total of 225 pashusakhis were trained. Various aspects of goat and poultry sharing where theoretically thought and practically demonstrated.



Demonstration of Brooding management at MVC, Mumbai



Field visit for the demonstration of fodder varieties at NVC Nagpur



Dr. N. Z. Gaikwad, associate Dean giving training kit at COVAS, Udgir



Dr. Nitin Patil, Hon'ble Vice-Chancellor MAFSU Nagpur with the Rota mixer machine at COVAS Parbhani



Dr. Nitin Patil, Hon'ble Vice-Chancellor MAFSU Nagpur with the batch of Pashusakhis at KNPCVS Shirwal



Demonstrations of Value added meat product preparation at COVAS Akola

4. Capacity Building of Animal Husbandry Officers on Good Animal Husbandry Practices.

A project entitled "Capacity Building of Animal Husbandry Officers on Good Animal Husbandry Practices for Enhancing Livestock Productivity, Animal Welfare and Food Safety" funded by the Department of Animal Husbandry Government of Maharashtra under the Hon'ble Balasaheb Thackeray Agribusiness & Rural Transformation (SMART) Project with a total budget of Rs. 28.80 Lakhs was implemented at College of Veterinary and Animal Sciences, Akola. A total of 125 officers of Animal Husbandry were to be trained during 5 days residential training on "Good Animal Husbandry Practices for Enhancing Livestock Productivity, Animal Welfare and Food Safety".



Demonstration of feed preparation for trainees



Dr. A. U. Bhikane, Director, Extension Education, MAFSU, Nagpur giving certificate to the trainee



5. Multipurpose Artificial Insemination Technician in Rural India

The University implemented the "Multipurpose Artificial Insemination Technician in Rural India" (MAITRI) training project under the Rashtriya Gokul Mission from the Maharashtra Livestock Development Board for imparting training to 630 unemployed youth from 34 districts of the State with a budget allocation of Rs.1.95 Crore. All Six Veterinary Colleges/Institute organized these trainings in 2024-25. This module consists of three month training wherein one month residential training is conducted at College/Institute followed by two months of field work under the supervision of Livestock Development Officer. The MAITRI are going to play an important role not only in the provision of Artificial Insemination services but also will be useful in extending the animal husbandry related extension services for the livestock farmers across the state.



Hon'ble Vice Chancellor of MAFSU, Dr. N.V. Patil guiding the participants at NVC, Nagpur



Dr. A. U. Bhikane addressing the trainees during concluding function of MAITRI training at NVC, Nagpur

6. Bestowing the sustainable livelihood to the folks at Gadchiroli through breeding management practices

60 schedule tribe beneficiaries benefited by artificial insemination services following estrus synchronization using Berari buck semen straws. 200 beneficiaries benefited by scientific training programme and 200 trainees received training material of scientific goat farming. 636 animals are treated during the animal health camps

7. Upliftment of Socioeconomic status of tribals by providing livelihood security through intervention of scientific animal husbandry practices in tribal area of Melghat region of district Amravati under Maharashtra state.

The programme was conducted in Dharni and Chikhaldara block of Melghat region. The intensive training programme on Goat, poultry rearing and value added milk products were conducted for the tribals. The awareness was created amongst the tribals for value addition of milk and its marketing. The four hands on trainings on milk products preparations were conducted for tribals at Badnapur and Wastapur villages of Tahsil Chikhaldara and at Harisal and Sadrabadi villages of Tahsil Dharni under Melghat tribal region. The awareness was created amongst the tribals for commercial and scientific rearing of goat and poultry. The four days training programme each on scientific goat farming commercial poultry farming were conducted at Dharni Tahsil of Melghat. Based on assessment of these training programmes beneficiaries were selected and temporary chain link sheds were provided to the 50 beneficiaries from poultry training and 50 beneficiaries from goat training. Further feeder and drinker along with poultry feed were provided to the poultry training beneficiaries and spring hanging balance, goat feed was provided to the goat training beneficiaries.



8. Installation of Poultry shelter model in Backyard of Schedule Tribe families of Nagpur district to develop entrepreneur

The Department of Poultry Science, MAFSU-Nagpur Veterinary College, successfully organized a One-Day Training Programme on "Scientific Backyard Poultry Farming and Input Distribution" on March 29, 2025 (Saturday), at Kolutmara village, Tq. Parshivani, Dist. Nagpur.

The programme was inaugurated in the presence of Dr. Nitin Patil, Hon'ble Vice-Chancellor MAFSU, Nagpur as the Chief Guest, along with Dr. Kishor Mankar, Chief Conservator of Forests (CCF), Forest Department, Nagpur, as the Guest of Honour. Dr. A.U. Bhikane, Director Extension Education, MAFSU, Nagpur guided the farmers. Poultry farming inputs such as poultry shelter models, chicks, drinkers, feeders, premix, fodder, pens, and notebooks were distributed to 50 tribal women.

9. Strengthening the Veterinary Services Delivery System in Gadchiroli District of Maharashtra State

Robust animal disease reporting and response system was developed to improve the production potential of livestock involved. With the help of generated data base, the expectancy of the different infectious diseases in the district can be predicted and accordingly the remedial measures can be undertaken for the treatment and prevention.



Farmer Scientist Meet in the ICAR TSP Project

10. Socio-economic Empowerment of Scheduled Caste (SC) Community Farmers through Sustainable Goat Farming Enterprises in Nagpur District of Maharashtra State

Five Days Training Program was organized on 'Sustainable Goat Farming' for 30 goat farmers belonging to the SC category from the selected 04 villages of the Kamptee Block in Nagpur district. Further one Day Workshop on 'Sustainable Goat Farming Business' was also organized in the NVC Nagpur wherein about 125 goat farmers from the project area and Nagpur district participated in the workshop. The participants received registration kit along with inputs like mineral mixture and dewormer for the goats and booklet. Input Distribution like MAFSU Produced concentrate feeds 326 Kg for the period of 6 months by considering the unit of 5 goats was distributed to the 24 SC goat beneficiaries in the project area of Kamptee block of Nagpur district.



Honorable Vice Chancellor Dr. N. V. Patil distributing the registration and input kits to the participants in workshop

11. Training of scheduled caste farmers on scientific goat farming in western Maharashtra and Scientific goat farming for sustainable livelihood of scheduled caste farmers in western

Training was given to thirty Scheduled caste framers from 18th March 2025 to 23rd March 2025 on scientific goat framing. The four goats to each farmes along with certificate and first aid kit distrubation was done in presence of Dr. N. V. Patil, Hon'ble Vice Chancellor, MAFSU, Nagpur, Dr. Nagrajan, Dr. G. Venketash Princple Scientists ICAR NISHAD Bhopal and Dr. V. S. Waskar Associate Dean



KNPCVS Shirwal.

12. Clean and Safe Milk Production

Under ATMA project, an information booklet on 'Clean and Safe Milk Production' was released by the Department of Veterinary Microbiology, COVAS, Akola and distributed among the beneficiaries. A total of 195 beneficiaries from Akot, Telhara, Akola, Barshitakali and Paturtahsils of Akola district were benefited

13. Socio-Economic Development of Schedule Tribe (ST) through Demonstration and Training for Agriculture, Dairy, Goatery, and Poultry Interventions in Yavatmal District of Maharashtra State

The ICAR SCSP program was carried out in the chilwadi village in the Pusad block of Maharashtra's Yavatmal district. Training courses on poultry, dairy, and goat husbandry, as well as entrepreneurship development, were conducted. The workshop, themed "Development of Agri entrepreneurship among tribal communities through dairying, goat and poultry farming," was attended by 400 people. Furthermore, the three-day program attracted 330 participants and included topics such as dairy farming, goat farming, and poultry farming. Each training participant received inputs such as goat feed, poultry feed, equipment, and animal feed for dairy farmers.



Dr. Niteen Patil, hon'ble Vice-Chancellor, MAFSU, Nagpur Addressing the farmers



Farmer-Scientist Meeting under ICAR TSP project

14. Dairy farm management and Manufacturing of Value-added Dairy Products

ATMA, Latur sponsored projects covered training on various aspects related to milk processing and manufacturing of milk products. During training dairy farmers (Men & women), unemployed youth and small entrepreneurs gained knowledge.

15. Development of organized fish seed production, culture and marketing to ensure sustainable livelihood development in aquaculture in Gadchiroli district

The 8 Farmer's Interest Groups (FIGs) are registered with Science and Technology Resource Centre, Gadchiroli for FFPO formation with membership of 250 active fish farmers.

During July-August 2024, induced breeding and seed production of Indian major Carps was achieved at 04 installed hatcheries. Total 515 Lakh fish spawn was produced at these hatcheries of which 18 Lakh fingerling were produced. The fish fingerlings were distributed to 238 farmers by the hatchery operators. Similarly, during December, 2024 –January, 2025, total 130 Lakh fish spawn of Common Carps fishes was produced at 02 installed hatcheries. The



Fish seed produced by Fisheries Interest Group at Chamorshi, Dist. Gadchiroli



Fish vending unit installed at Armori, Dist. Gadchiroli by COFS, Nagpur

common carp seed was provided to 63 fish farmers in Gadchiroli district. A Fish Sellers and Buyers Meet was also organized on 25/01/2025 at Gadchiroli to develop market linkages in the Gadchiroli district.

16. Feasibility Study of Farm Ponds Based aquaponics Techniques in Maharashtra State.

The project entitled “Feasibility Study of Farm Ponds Based aquaponics Techniques in Maharashtra State” sponsored by RGSTC was successfully initiated the development of functional aquaponics unit for demonstration and experimental purposes. Renovation and repair of the aquaponics facility have been completed, ensuring readiness for trials and training activities. Installation of the dedicated biofiltration unit has been completed, completed procurement of essential equipment, consumables and materials required for aquaponic system operations and experiments during 2024-2025.

7.2. TRAININGS ORGANIZED

The University has been instrumental in making efforts for dissemination of scientific information and technology transfer through collective efforts of faculty members from veterinary science, dairy technology and fisheries in extension activities.

The University through its Constituent Colleges, Institutes and Krishi Vigyan Kendras imparts the training for the officers, professionals from the line departments as well as livestock farmers, poultry farmers and fish farmers.

7.2.1. Trainings of Farmers

Organization of training programmes for entrepreneurship development amongst unemployed youth and aspiring entrepreneurs on various aspects of animal husbandry, poultry, dairying, fisheries and value addition for products of animal origin has been a regular activity of the University.

In all 139 trainings spread across 1601 days were conducted wherein 4951 aspiring entrepreneurs were trained.

The topics of trainings comprised of commercial poultry farming, goat farming, dairy farming, fish farming, milk and meat product preparation, Boar Husbandry Management,



Scientific Donkey farming, natural farming etc. Trainings for Pashusakhis under SMART and MAVIM Project, unemployed youth under MAITRI project were also conducted.

Further, the colleges organized various trainings in collaboration with other State Government institution such as Agricultural Technology Management Agency (ATMA) and NGOs working for farmers, women and unemployed youths. A total of 56 trainings were organized on goat farming, 23 on dairy farming, 14 on poultry farming, 6 on fishery related activities, 9 on milk and meat product preparation, 2 trainings on pig farming, 6 trainings agriculture related activities and 23 on other activities like Maitri, Mavim, Smart etc. A majority of 39 trainings of 5 days duration, 24 trainings of 3 days duration, 10 trainings were of 10 days duration, 25 trainings of one day duration, 6 trainings of 15 days duration, 5 trainings of 2 days duration, 9 trainings of 7 days duration and 21 trainings of 1 month duration were organized for different stakeholders.

The details of the training programmes organized by all the constituent colleges of the university are as follows.

Table 7.2. Institute wise trainings conducted for farmers

Sr. No.	Name of Institute	No. of Trainings organized	Total Duration (No. of days)	No. of Participants/ Trainees
1	MVC, Mumbai	19	160	790
2	NVC, Nagpur	27	533	728
3	COVAS, Parbhani	15	344	639
4	COVAS, Udgir	14	148	542
5	KNPCVS, Shirwal	20	212	586
6	PGIVAS, Akola	22	149	640
7	CDT, Warud	05	15	397
8	CDT, Udgir	01	03	19
9	COFS, Nagpur	05	17	124
10	COFS, Udgir	01	03	32
11	KVK, Nagpur	03	11	105
12	KVK, Sangli	02	01	119
13	KVK, Thane	05	05	230
	Total	139	1601	4951

• **Training programme on “Scientific Dairy Farming” by LFC, NVC, Nagpur**

Livestock Farm Complex, Nagpur Veterinary Collage, Nagpur (MAFSU) organized training programme on 'Scientific Dairy Farming' from 27th to 31st May 2024 for rural unemployed youth and marginal dairy farmers. Total 13 youth and farmers of various districts of Vidarbha participated in the training programme. Trainees were guided on various facets of Scientific Dairy



Visit of trainees to the farm of successful dairy entrepreneur



Farming and Health Care Management.

- **Training on 'Induced Breeding and Seed production of Indian Major Carps' by COFS, Nagpur**

A farmers training programme on 'Induced Breeding and Seed production of Indian Major Carps' was organized during 20th to 22nd July 2024 at Shriniwaspur, Tal. Chamorshi, Dist. Gadchiroli under the STRC, Gadchiroli funded project operational at the College of Fishery Science, Nagpur. A total of 26 fish farmers and fish seed growers participated in the training programme.



Demonstration of Induced breeding of Indian Major Carps during the training

- **Training on 'Organic and natural livestock farming' at NVC, Nagpur**

A 21-day training program on “Organic and natural livestock farming” sponsored by RCONF, Nagpur conducted from 29th July to 18th August 2024 at Nagpur Veterinary College, Nagpur drawing participants from various regions and fields of agriculture. The program focused on sustainable farming practices, emphasizing organic methods and natural livestock management.



Dignitaries with participants

- **Training program on Milk Processing and Value Addition at MVC, Mumbai**

Three days training program on 'Milk Processing and Value Addition' was conducted at Mumbai Veterinary College, Mumbai during 23rd to 25th October, 2024. Total 9 participants participated in the training program. The participants were also informed about the beneficial properties of milk and milk products.

- **Goat farming training at KNPCVS, Shirwal**

A three-days training on 'Goat Farming' was conducted by the Department of Animal Genetics and Animal Production at Krantisinh Nana Patil Veterinary College, Shirwal from 16th to 18th December 2024 under the guidance of Associate Dean Dr. Milind Meshram. Total of 20 trainees participated in the training program.



Fodder plot visit of trainees



- **Training programme on 'Commercial Poultry Farming' at NVC, Nagpur**

Department of Poultry Science, Nagpur Veterinary College, Nagpur organized training programme on 'Commercial Poultry Farming' at PRTC, NVC Nagpur for 43 farmers and unemployed youths from 16th to 20th December 2024. The demonstrations on various practical aspects were given during the training programme.



Expert delivering lecture

- **Trainings on 'Value added Dairy Products' by CDT, Udgir**

College of Dairy Technology, Udgir organized training program on "Value Added Dairy Products" during 3rd to 6th February 2025 at CDT, Udgir. Lectures on various topics such as value addition of milk, quality evaluation of milk and milk products etc. and practical demonstration on preparation of milk products were conducted for 19 participants from different districts of Maharashtra.



Demonstration of preparation of value added milk products

- **Modern Goat Farming Training Programme at COVAS, Parbhani**

Three days online 'Modern Goat Farming' Training was organized by Department of Livestock Production Management, COVAS, Parbhani from 4th to 6th February, 2025. Total 37 trainees participated in the training.

- **Trainings on 'Dairy, Poultry and Goat Farming' at COVAS, Udgir**

COVAS, Udgir organized three training programmes of three days duration on 'Dairy Farming' during 17th to 19th March 2025, 'Backyard Poultry Farming' during 20th to 22nd March, 2025 and 'Goat farming' during 24th to 26th March, 2025 under ICAR-SC-SP project entitled 'Strengthening and development of scientific knowledge among SC-SP beneficiaries towards livestock sector'. Total 150 farmers from Nagalgaon, Kasaral, Limbgaon, Janapur, Shirol, Shelhal, Nagalgaon and Pimpri benefited through these



Distribution of silage bag, cattle feed and mineral mixture to the participants



trainings.

- **Training programme on “Culture based fisheries in small reservoirs” by COFS, Udgir**

COFS, Udgir organized three days training programme funded by ATMA, Latur on “Culture based fishes in small reservoirs” during 11th to 13th March 2025. Apart from theory and lectures, a field visits were organized at fish farms.



Participants with faculty members of college

- **Trainings On 'Entrepreneurship And Skill Development' by CDT, Warud**

The College of Dairy Technology, Warud organized training programme on 'Entrepreneurship Development in Poultry Farming' during 17th to 19th March 2025, 'Goat Farming and Dairy Farming' on 22nd to 23rd March 2025 in Chilwadi, Taluka Pusad, Yavatmal specifically for scheduled tribe people. This training was undertaken as part of the project "Socio-Economic Development of Schedule Tribe (ST) through Demonstration and Training for Agriculture, Dairy, Goatry, and Poultry Interventions in Yavatmal District of Maharashtra State" sanctioned with a budget of 23 lakh. This training was witnessed by 400 ST people.



Dr. Niteen Patil, Hon'ble Vice Chancellor addressing the gathering

- **Training cum Demonstration on 'Scientific Donkey farming' at COVAS, Akola**

Under ICAR-NRCE funded SCSP project, two training cum Demonstration programmes on 'Scientific Donkey farming' were held at COVAS, Akola during 19th to 21st March, 2025 and 27th to 29th March, 2025. Total 63 donkey farmers were trained and demonstrated with the first aid management of wounds. The trainees were distributed with the First aid kit and livelihood support materials.



Participants of training with expert faculty members of college

- **Training on 'Natural Farming' by KVK, Nagpur**

Two days training program on Natural farming was organised by KVK, Nagpur in

collaboration of ATMA Nagpur during 10th to 11th September 2024. Total 44 farmers participated in the training program.



Participants of training program on Natural farming

7.2.2. Trainings for Officers/students/professionals/paravets

Sixty one trainings of 343 days duration were organized for the veterinary students, graduates, livestock development officers, researchers etc. wherein 3443 professionals were trained in areas like advances in diagnostics, one health, advanced techniques in veterinary practice etc. Various trainings organized for officers include thoracic and abdominal ultrasonography in small animals, laparoscopic surgery in small animal practice, anaesthesia and fracture management in large animals, best animal birth control practices in canine, Veterinary diagnostic ultrasonography, basics of wildlife health management, chemical immobilization in wild animals, wildlife forensics etc.

Table 7.3. Institute wise trainings conducted for professionals

Sr. No.	Name of Institute	Training of Officers		
		No. of Trainings organized	Total Duration (No. of days)	No. of Participants / Trainees
1	MVC, Mumbai	13	37	353
2	NVC, Nagpur	05	31	489
3	COVAS, Parbhani	05	162	1064
4	COVAS, Udgir	03	36	24
5	KNPCVS, Shirwal	07	21	162
6	PGIVAS, Akola	06	26	171
7	WRTC, Gorewada	21	29	1097
8	KVK, Sangli	01	01	83
	Total	61	343	3443

The details of representative trainings conducted for professions are as follows-

- Trainings for Professionals organized by MVC, Mumbai**

Mumbai Veterinary College, Mumbai conducted various trainings for professionals like 'Basics of small and large Animal Anaesthesiology', 'Basics of radiology and radiological interpretation', 'Coping with the Scope', 'Small animal thoracic and abdominal ultrasonography', 'Sample Collection and Techniques For Rabies Diagnosis', 'Everyday



Live hands-on programme for human general surgeons in Laparoscopy



Ophthalmology for Small animal Practitioners', 'Small animal flexible and rigid endoscopy', 'Canine and Feline Diagnostic Ultrasonography', 'Canine and Feline Diagnostic Ultrasonography', 'Veterinary Diagnostic Imaging for Lady Veterinarians', 'Electrocardiography in small animal practice', etc during the year 2024-25.

- **Training Programme on 'Integrated Management Approach for Hygienic and Profitable Chicken Meat Production' at MVC, Mumbai**

Department of Veterinary Public Health organized training programme on 'Integrated Management Approach For Hygienic and Profitable Chicken Meat Production' for Industry professionals such as CEOs, Managers and Quality Control Executives working in Poultry Processing Industry during 2nd -3rd May, 2024. The objective of the training programme was to sensitize the participants about overview of poultry production, farm management, plant management, slaughter techniques for marketing trends and quality management system in poultry sector.



Dr. R. J. Zende delivering lecture during the training

- **Trainings organized by WRTC, Gorewada**

Wildlife Research and Training Centre, Gorewada, Nagpur organized the trainings on 'Basics of Wildlife Management' for Range Forest Officers, and Forest Guards of Maharashtra Forest Department, Training on 'Advances in Wildlife Health Management' and 'Wildlife Forensics' were organized for veterinarians from zoo and rescue centres, as well as transit treatment centres, to enhance their knowledge and skills in managing wildlife health.



Dr. Shalini A.S. delivering the lecture to the forest guards

- **International training on "Theoretical and practical school on necropsy and sampling in Avian Salmonellosis" at NVC, Nagpur**

Department of Veterinary Pathology, NVC, Nagpur organized international training on "Theoretical and practical school on necropsy and sampling in Avian Salmonellosis" during 8th -9th July, 2024 in collaboration with Hipra India Pvt Ltd. Dr. Santiago de Castro, Global Product Manager



Dr. N. V. Patil, Hon'ble Vice-Chancellor, MAFSU addressing the participants



Hipra, Spain and Dr. Myeong Seob Kim, Regional Technical & Marketing Manager, Hipra, South Korea provided deep insights into strategic vaccination programs for prevention and control of salmonellosis in field conditions.

- **National Training Program on 'Statistical Tools' by COVAS, Parbhani**

One-week National Online Training Program on 'Statistical tools in empirical research and data analysis' was organized by the Department of AGB, COVAS, Parbhani during 14th to 21st October 2024. A total 455 participants including students, academicians, researchers, MAFSU employees and field workers from all over the India attended this training virtually.

- **Training programmes for field veterinarians organized by KNPCVS, Shirwal**

KNP College of Veterinary Science, Shirwal organized training programs on 'Field Applicable Laboratory Diagnostic Techniques' during 09th to 11th December, 2024, 'Management of lameness in dairy animals' jointly organized by KNPVC, Shirwal and the Training and Educational Centre of Indian Agricultural Research – IVRI, Pune



Ultrasonography training

from 28th to 30th January 2025 and 'Veterinary Diagnostic Ultrasonography' during 05th to 07th February 2025. Overall 46 veterinarians participated in these training programmes.

- **WVS training at COVAS Udgir**

College of Veterinary and Animal Sciences, Udgir in association with World Wide Veterinary Services (WVS India), UK organized hands on training programme on 'Birth Control in Bitches'. The training programs were conducted in three batches 4th to 14th February 2025, 17th to 28th February 2025 and 3rd to 14th March 2025. Total 28 alumni of COVAS, Udgir participated in these training programmes.



Demonstration of Animal Birth Control surgery to participants

7.3. WORKSHOPS/SEMINARS/WEBINARS/ FARMERS MEET ORGANIZED

7.3.1. Workshops for Farmers

Organization of workshop and Seminars is yet another activity done as a part of outreach activity. Here 58 workshops and 17 farmers meet benefitting a total of 5130 farmers. Workshops for farmers included workshop on 'Equine care and management', 'Balanced nutrition in dairy animals', 'Infertility problems in bovines', 'Scientific goat Farming', 'Clean Milk Production', 'Importance of animal feed supplements', 'Backyard Poultry and Goat Farming', workshop on 'Being Magnificent



Wild', 'Dairy Business and Dairy Milk Products' organized for self-help group of women, 'Preparation of Milk Products at cottage level', 'Fisheries and Aquaculture Development in Vidarbha', 'Fish Seed production', 'Fish culture in farm pond', Pre Monsoon (Kharip) Farmer's Workshop, 'Importance of Animal Husbandry', Farmers Meet and Awareness Program on 'Opportunities and Challenges in Livestock Sector', One Day Workshop cum Farmers Meet on 'Role of Women in Animal Husbandry' etc. were organized by Veterinary, Dairy Technology, Fishery Science colleges and KVKs of the University.

Table 7.4. Institute wise farmers workshop/farmers meets conducted

Sr. No.	Name of Institute	Workshops / Seminars / Webinars organized for Farmers		Farmers meet organized	
		No. of workshop	No. of participants	No. of farmers meet	No. of Participants
1	MVC, Mumbai	02	87	00	00
2	NVC, Nagpur	22	1624	02	300
3	COVAS, Parbhani	04	167	00	00
4	KNPCVS, Shirwal	03	450	03	450
5	COVAS, Akola	02	70	02	168
6	CDT, Warud	10	443	03	70
7	CDT, Udgir	02	49	02	36
8	CoFS, Nagpur	03	129	01	225
9	CoFS, Udgir	01	43	01	20
10	KVK, Nagpur	02	66	01	135
11	KVK, Thane	07	428	02	170
	Total	58	3556	17	1574

- **Workshop on 'Use of ART for profitable milk production' at PGIVAS, Akola**

On occasion of Milk day, Department of Animal Reproduction Gynaecology and Obstetrics, PGIVAS, Akola organized one day workshop on 'Use of Assisted Reproduction Techniques for profitable milk production' on 1st June 2024 wherein 52 candidates viz. farmers, students, staff members were present.



Dr. M. V. Ingawale delivering lecture during workshop

- **Workshop on 'Value Added Fish Products' by COFS, Nagpur**

A one-day workshop & demonstration programme on 'Value Added Fish Products' was organized on 12th of June 2024 for 25 Women members of Fish Farmer Producer Organization (FFPO) FFPO by College of Fishery Science, Nagpur. The women members of the FFPO were trained for importance and need for Value-added fish Products and also demonstrated the preparation of fish products.



Expert demonstrating the preparation of value-added fish products



- **Workshop on Advances in Freshwater fish culture by COFS, Udgir**

on the occasion of 'National Fish farmers Day' the College of Fishery Science, Udgir organized one day Workshop on 'Advances in Freshwater fish culture on 10th July 2024 in joint collaboration with State Fisheries Department, Latur. Technical lectures on various fish culture aspects were delivered by experts for 43 farmers. Similarly, College of Fishery Science, Nagpur, organized a workshop at the Telkamathi reservoir focusing on practical challenges in reservoir fish farming benefitting 40 fish farmers.



Dr. B.R. Kharatmol, Associate Dean addressing the gathering

- **One day workshop on recent technologies in animal husbandry**

One day workshop on recent technologies in animal husbandry was organized by Krishi Vigyan Kendra, Dudhbardi on 6th December 2024 at Ramtek Vikas Shikshan Sanstha Diploma School in Khumari, Taluka Ramtek, District Nagpur. A Total of 36 participants benefited from training.



Dr. S. R. Lende, SMS, KVK, Nagpur delivering lecture during workshop

- **Workshop on “Aquarium fabrication and setting” by COFS, Udgir**

College of Fishery Science, Udgir organized one day Workshop on “Aquarium fabrication and setting” at Z. P. School at adopted village under Unnat Bharat Abhiyan, Haibatpur, Tq. Udgir, Dist. Latur on 23rd December 2024 benefitting a total of 45 students.



Demonstration of aquarium fabrication and settings



- **Workshop on 'Paneer preparation at cottage level' by CDT, Udgir**

on the occasion of the birth anniversary of Savitribai Phule, College of Dairy Technology, Udgir organized one day workshop on “Paneer preparation at cottage level” on 3rd January 2025 under the Unnat Bharat Abhiyan adopted village Ghonsi, Tal. Udgir, Dist. Latur. Total 45 women participants from Mahila Bachat Gat participated in the program.



Demonstration of Paneer preparation at the cottage level

- **Farmers-Scientist Meet on Scientific Goat Farming in Melghat region of Maharashtra**

A Farmer-Scientist Meet on scientific goat farming was organized on January 4, 2025, at Dharni, Amravati by PGIVAS, Akola under MAFSU, Nagpur. The event, supported by ICAR-NMRI, Hyderabad, aimed to empower over 150 tribal farmers from Melghat. Experts guided participants on modern goat farming practices, housing, nutrition, and marketing. Informative booklets, training kits, and certificates were distributed. An exhibition and traditional tribal dance enriched the event. Dr. Nitin Patil, Vice-Chancellor of MAFSU, emphasized scientific goat farming for improved livelihood.



Dr. N. V. Patil, Hon'ble Vice Chancellor, MAFSU, Nagpur addressing the farmers

- **Farmers-Scientist meet held in Melghat for lesser known AnGR**

Farmers-Scientist meet for lesser known AnGR viz. Melghati cattle and buffalo was held under ICAR NBAGR Network project, COVAS, Akola, in Ghatang village, Chikhaldara on 3rd Jan. 2025 and Babanda, Dharni tahsil of Amravati district on 4th Jan. 2025. The programme was graced with the august presence of Dr. N. V. Patil, Hon'ble Vice Chancellor, MAFSU, Nagpur; Dr. S. B. Barbuddhe, Director, ICAR-NRC Meet, Hyderabad, Dr. K. R. Tajne, Ex-Principal, Vet. College, Dantewada, Gujarat; Dr. A. U. Bhikane, Director of Extension Education, MAFSU, Nagpur and Dr. P. Basawa Reddy, Scientist, NRCM, Hyderabad. Total 38 Melghati cattle and buffalo owners participated in meet and interacted with scientists.



Dr. N. V. Patil, Hon'ble Vice-Chancellor, MAFSU, Nagpur felicitating livestock owner



- **Scientist Farmers Forum by COFS, Udgir**

The college of fishery Sciences, Udgir organized Scientist Farmers Forum at Haibatpur Tq. Udgir, Dist. Latur on 07th February 2025. Total 20 farmers from local farmers group participated in the programme.



Dr. A. S. Kulkarni delivering lecture

- **Gaolao Buffalo farmers scientist meet held at Yawatmal**

A farmer scientist meet of Gaolao buffalo farmers was was organized under ICAR NBAGR Network project on 8th March, 2025 at village Belona, Tal. Kalamb, Dist. Yawatmal, wherein total 60 farmers participated. The programme was inaugurated at the hands of Dr. N. V. Patil, Hon'ble Vice Chancellor, MAFSU, Nagpur.



Felicitation of Dr. N. V. Patil, Hon'ble Vice Chancellor, MAFSU, Nagpur

- **One day Scientist Farmers meet organized at Kinwat under TSP by COVAS, Udgir**

A one day Scientist Farmers meet was organized under ICAR-TSP by COVAS, Udgir in collaboration with NMRI, Hyderabad and in association with Department of Animal Husbandry, Maharashtra at Kinwat, Dist Nanded on 09th March 2025. On this occasion seminar on "Scientific Goat Farming" was organized. The programme was presided over by Dr. Niteen Patil Hon'ble Vice-Chancellor, MAFSU, Nagpur and chief guest of the programme was Dr. S.B Barbudhe, Director, National Meat Research Institute, Hyderabad.



Hon'ble Vice Chancellor Dr. Niteen Patil addressing the farmers at Kinwat

- **Awareness-cum-Control Program for Foreign Body Syndrome in cattle and buffalo at Kinwat Dist. Nanded Maharashtra**

The College of Veterinary and Animal Sciences, Udgir launched an Awareness-cum-Control Program for Foreign Body Syndrome in cattle and buffalo under the Scheduled



Hon'ble Vice-Chancellor Dr. Niteen Patil addressing the farmers



Tribes scheme on 09th March 2025 at Navakheda village of Kinwat taluka of Nanded District. The program was inaugurated by the hands of Dr. Niteen Patil, Hon'ble Vice-Chancellor, MAFSU, Nagpur. Approximately 100 participants, including farmers and livestock owners, attended the program.

- **Workshop on 'Empowering Women in the Livestock Sector' at NVC, Nagpur**

One-day workshop on 'Empowering Women in the Livestock Sector' was organized on 11th March 2025 at Nagpur Veterinary College, Nagpur. The event featured expert lectures and demonstrations by renowned experts in the field. As part of the program, participants visited the MAFSU Museum, Poultry Farm, and Cattle Breeding Farm, gaining practical exposure to modern livestock management practices. A special Farmer-Scientist Meet and Kisan Goshti were also conducted, facilitating direct interaction between farmers and experts.



Distribution of certificates to the participants of the workshop

- **One day workshop on “Transfer of low input technology” for SC women at COVAS, Akola**

One day workshop on “Transfer of low input technology to SC women for enhancement of livelihood by keeping improved deshi chicken” was held on 11th March, 2025, wherein 30 women participated.



Dr. A. U. Bhikane, Director Extension Education, giving the kit to the participant

- **One-day workshop on backyard poultry farming**

The one-day workshop on backyard poultry farming was held at the College of Veterinary and Animal Sciences, Parbhani, on March 19, 2025. The program was jointly organized by Maharashtra Animal and Fishery Sciences University, Nagpur, and the ICAR National Meat Research Institute (ICAR-NMRI), Hyderabad.



Dr. S. R. Rajurkar, Associate Dean, College of Veterinary and Animal Sciences, Parbhani distributing the inputs to the poultry farmer





- **One day workshop on Recent technologies in Animal husbandry**

One day workshop on Recent technologies in Animal husbandry was organized by Dr. S. R. Lende, Subject Matter Specialist, KVK, Dudhbardi under the chairmanship of Dr. S.P.Landge, senior scientist & Head, KVK on 6th December 2024 at Ramtek Vikas Shikshan Sanstha operated Diploma School in Khumari, Taluka Ramtek, District Nagpur, Maharashtra affiliated with the Maharashtra Animal & Fishery Sciences University (MAFSU). A Total of 36 participants benefited from training.

- **Seminar on Importance of animal origin food**

Seminar on Importance of animal origin food in women diet was organized by Dr. S. R. Lende, Subject Matter Specialist, KVK under the chairmanship of Dr. S.P. Landge, senior scientist & Head, KVK on the occasion of international womens day 8th March 2025 at Saoner Taluka. A Total of 30 women participated in seminar.



Dr. S. R. Lende, SMS, KVK delivering lecture during workshop organized on Recent technologies in Animal husbandry.



Expert delivering lecture on importance of animal origin food in women on the occasion of international womens day

7.3.2. Workshop For Professionals

A total of 32 technical offline/online workshops and seminars were organized for the field officers in which 2255 officers participated. These workshops were organized for professionals like Livestock Development Officers, Assistant Commissioners of Animal Husbandry Department, Gynaecologists, Human surgeons, Students and Researchers. The workshops covered National Online Clinical Case Conference, Advancement in Veterinary surgery, Canine & Feline Diagnostic Ultrasonography, Research methodologies in veterinary extension” etc.

Table 7.5. Institute wise workshops conducted for professionals

Sr. No.	Name of Institute	Workshops/ Seminars/Webinars organized for Officers	
		No. of workshop	No. of participants
1	MVC, Mumbai	06	369
2	NVC, Nagpur	05	489
3	COVAS, Parbhani	04	280
4	KNPCVS, Shirwal	02	50
5	COVAS, Akola	05	480
6	CDT, Warud	08	529
7	CDT, Udgir	02	67
	Total	32	2255



1. Brain Storming session on “Advanced Research Avenues for Genetic Improvement in AnGR of Maharashtra”

Department of Animal Genetics and Breeding, PGIVAS, Akola organized a brain storming session on “Advanced Research Avenues for Genetic Improvement in AnGR of Maharashtra” on 29th August, 2024 at university headquarter under the chairmanship of Hon'ble Vice Chancellor, MAFSU, Nagpur. Dr. B.P. Mishra, Director, ICAR-NBAGR, Karnal (Haryana); Dr. T. K. Datta, Director, ICAR-CIRB, Hissar (Haryana); Dr. S. S. Tomar, Director of Farms, NDVSU, Jabalpur; Dr. Sushil Kumar, Head, CGB, ICAR-CIRC, Meerut (UP) and Dr. Indrajit Ganguli, Principal Scientist, ICAR-NBAGR, Karnal participated in the event. The delegates released Leaflets of Gaolao (Belona) buffalo and Khamgaon cattle during the event, in august presence of university authorities. Mr. Dadasaheb Lad, Red Kandhari cattle breeder from Malsona Parbhani was felicitated for his outstanding contribution in conservation of Red Kandhari cattle.

2. One day technical seminar on 'Fluid therapy and its importance in veterinary field'

One day technical seminar on 'Fluid therapy and its importance in veterinary field' was organized for academic staff and students on 12.09.2024 at COVAS, Akola. Total 75 participants were present for the seminar. Dr. Anshita Sinha, Product Executive-PMT, Zenex Animal Health India Pvt. Ltd. delivered presentation on Fluid therapy in veterinary Practice.



Dr. Anshita Sinha addressing the participants

3. One day technical workshop on 'Small animal cardiology: Overview of ECG and 2D Echocardiography

One day technical workshop on 'Small animal cardiology: Overview of ECG and 2D Echocardiography' was organized on 5.02.2025 at VCC, COVAS, Akola. Total 30 participants were present in the workshop.



Delivery of lecture on Echocardiography



Practical Demonstration on Echocardiography



4. One Health Initiative: Rapid diagnosis of zoonotic diseases

A one-day hands-on workshop on “One Health Initiative: Rapid diagnosis of zoonotic diseases” was organized by the Department of Veterinary Microbiology, COVAS, Akola on 17.01.2025 wherein 38 students and faculty were benefitted.



Experts Guiding the participants



Participants for the Hands-on workshop

5. National Seminar organized

National Seminar on “Next Generation Innovations in Veterinary Field” was held on 26th December, 2024 at COVAS, Akola. The programme was inaugurated at the Dr. Umesh Chandra Sharma, President, Veterinary Council of India, New Delhi. Dr. N. V. Patil, Hon'ble Vice Chancellor, MAFSU, Nagpur, Dr. S. R. Gadakh, Hon'ble Vice Chancellor, Dr. PDKV, Akola, Dr. S.V. Ingle sir, Hon'ble Vice President of VCI, & EC Member, MAFSU, Nagpur, Dr. Rajesh Jaipurkar, Former Pro Vice Chancellor, SGBAU, Amravati. Dr. N.V. Kurkure, Director of Research, MAFSU, Nagpur and Dr. G. D. Muratkar, faculty of Forestry College, Chikhaldara, Amravati guided the 225 participants.

6. National Workshop on "Current Trends in Diagnosis and Treatment of Endocrine Disorders in Small Animals" at MVC, Mumbai

The One-Day National Workshop on 'Current Trends in Diagnosis and Treatment of Endocrine Disorders in Small Animals', was organized on 22nd September 2024 by the Department of Veterinary Clinical Medicine, Ethics and Jurisprudence, Veterinary Nuclear Medicine including Radio Isotope Laboratory at Mumbai Veterinary College, Mumbai in collaboration with Indian Society for Veterinary Medicine (ISVM). Across India, fifty-five practicing veterinarians and veterinary students registered for the event.



Poster presentation by the participants during the inaugural function of Endocrinology workshop



Release of souvenir by the Esteemed Guests on Dais



7. National Symposium, and the Annual Conference of the IPSACON at NVC, Nagpur

A National Symposium and the Annual Conference of the Indian Poultry Science Association (IPSACON 2024) was jointly organized by the Department of Poultry Science, Nagpur Veterinary College, and the Central Avian Research Institute (CARI), Izatnagar, Bareilly (UP) from 16th to 18th October, 2024 at NVC, Nagpur.

8. Workshop on "Child Care Leave and Other Leaves : Rules and Regulations"

A workshop on 'Child Care Leave and Other Leaves: Rules and Regulations' was held on 23rd November 2024 at MAFSU Headquarter in Nagpur. Shri. Pradeep Deshpande, Retd. Chief Administrative Officer was the guest speaker. All the female teaching and non-teaching staff members participated in the workshop both online and in person.

9. Webinar on "Introduction to Veterinary Clinical Endocrinology" at MVC, Mumbai

The Department of Veterinary Clinical Medicine, Ethics and Jurisprudence, Veterinary Nuclear Medicine including the Radio Isotope Laboratory of Mumbai Veterinary College, Mumbai organized webinar on "Introduction to Veterinary Clinical Endocrinology" for Undergraduate Students in collaboration with the Indian Society for Veterinary Medicine (ISVM), on 02nd December 2024.

10. Workshop on 'Small Animal neurology of Vetopia 2024' by KNPCVS, Shirwal

One day Hands on workshop on 'Small Animal neurology of Vetopia 2024' was conducted at Department of Veterinary Surgery and Radiology, KNP College of Veterinary Science, Shirwal on 01st December 2024 in collaboration with Pet Doctors Association Pune. Dr. Decker, Associate Professor of Neurology, Royal Veterinary College was an expert speaker and trainer.



Hands on training demonstrated by Dr. Decker

11. National Conference of the IAVPHS and National Symposium at KNPCVS, Shirwal

The 20th Annual Conference of the Indian Association of Veterinary Public Health Specialists and National Symposium on 'Integrated Health: Bridging the Gap between Human-Animal-Environment' was organized at Krantisinh Nana Patil Veterinary College, Shirwal from 14th to 15th November 2024. International as well as national level experts, researchers, scientists, professors, students have participated in this conference.



Inauguration of National Symposium



Release of compendium at the hands of honorable guest

12. Nagpur Veterinary College Hosts World Animal Nutrition Conference WANACON 2025 and Feed Tech Expo

The Department of Animal Nutrition, Nagpur Veterinary College under MAFSU in association with Animal Nutrition Association has organized WANACON-2025, World Animal Nutrition Conference on “Newer vistas to animal nutrition research towards climate resilient animal production for livelihood, food and nutritional security” during 20th to 22nd January 2025 at Nagpur. More than 400 delegates including scientists, academicians, industry personals, policy makers, field veterinarians, pet practitioners and post graduate students have participated in this conference.

The inaugural function of conference was graced by Chief Guest Smt. Pankaja Tai Munde, Hon'ble Minister for Animal Husbandry, Government Maharashtra; Guests of Honour Dr. Himanshu Pathak, Hon'ble Director General, ICAR, New Delhi; Dr. Raghvendra Bhatta, Hon'ble Deputy Director General, ICAR, New Delhi; Dr. DVR Prakasha Rao, Hon'ble President, National Academy of Veterinary Science, New Delhi; Dr. Niteen Patil, Hon'ble Vice Chancellor, MAFSU, Nagpur; Dr. Ramaswamy N., Hon'ble Secretary, ADF, Govt. of Maharashtra; Dr. Pravinkumar Deore, Hon'ble Commissioner, AHD, Govt. of Maharashtra; Dr. LC Chaudhary, President, Animal Nutrition Association, IVRI, Bareilly; Dr. SK Saha, General Secretary, Animal Nutrition Association, IVRI, Bareilly. The compendium of Abstract, Lead papers and Souvenir were released at hands of dignitaries



Smt. Pankaja Tai Munde inaugurating the WANACON-2025



Visit of Smt. Pankaja Tai Munde to Feed Tech Expo



13. Workshop cum seminar on “Canine Dentistry, Heartworm surgery in jugular vein: A clinical Overview, Feline Urethral Obstruction and Feline Nasopharyngeal Polyps” at NVC, Nagpur

The workshop cum seminar was organized on 'Canine Dentistry, Heartworm surgery in jugular vein: A clinical Overview, Feline Urethral Obstruction and Feline Nasopharyngeal Polyps' at Veterinary Clinical Complex, and Dept. of Veterinary Surgery & Radiology, Nagpur Veterinary College, Nagpur on 17th February 2025. A total 15 faculty members, 12 postgraduate and 60 undergraduate students attended the Workshop and 25 faculty members, 22 postgraduates and 85 undergraduate students were present for the seminar.



Dr. Ravi Murarka, demonstrating the specialized surgeries on pet animals

7.4 DEMONSTRATIONS ORGANIZED FOR FARMERS AND OFFICERS

Various types of demonstrations were organized for the farmers during training programmes, visits of farmers to institutes and also during scientists visit in the adopted villages and on farmer's field. Similarly, demonstrations of various skill base operations were also carried out for the professional during trainings. These result and method demonstrations serve a good way to showcase the worth of the technology and exhibit the most appropriate way of conducting various activities in the field.

7.4.1 Demonstrations for Farmers

Demonstrations like cultivation and management of various fodder varieties, silage making, azolla cultivation, preparation of balanced concentrate mixture, urea treatment of poor quality roughages, brooding management of chicks, incubation and hatchery management, quality control of egg and egg products, CMT test, demonstration on deworming and spraying, loose housing system, farm practices, selection of animal, age determination, breed identification, ear tagging, castration, milk processing & value addition, clean milk production & detection of adulteration, casting and restraining of animals, Artificial insemination techniques, manufacturing of dairy products at cottage level, paneer and whey drinks preparation, preparation of traditional milk products, freshwater fish culture, preparation of value added fish products, collection of soil sample, seed treatment, Feeding and nutrition of fish, Induced breeding and seed production of Indian Major Carps, Induced breeding and seed production of Indian Major Carps, Fish feed and feeding, Ornamental fish tank fabrication and decoration of tank, Preparation of value added fish products, Preparation of value added and quick restaurant fish products , Fish Seed stocking in farm pond, Hoof trimming of horses, Stomach tube passing in horses, Pig Management Practice etc. were given to farmers throughout the year. A total of 334 demonstrations covering the above aspects were organized by 177 faculty members wherein 11072 farmers were benefitted.



Table 7.6. Institute wise demonstrations conducted for farmers

Sr. No.	Name of Institute	No. of staff members participated	No. of Demonstrations for farmers	No. of Beneficiaries/ farmers
1	MVC, Mumbai	27	13	441
2	NVC, Nagpur	59	122	5120
3	COVAS, Parbhani	13	18	696
4	KNPCVS, Shirwal	35	94	1467
5	PGIVAS, Akola	12	52	1394
6	CDT, Warud	05	17	1526
7	CDT, Udgir	06	04	126
8	COFS, Nagpur	10	08	185
9	COFS, Udgir	06	02	28
10	KVK, Thane	04	04	89
	Total	177	334	11072



Demonstration on silage making at COVAS, Parbhani



Dr. S.P. Awandkar giving Demostration of California Mastitis Test at COVAS, Akola



Demonstration of Preparation of milk products at cottage level at Ghonsi by CDT, Udgir



Demonstration of preparation of chicken by products to Pashusakhi



Demonstration on induced fish breeding by COFS, Nagpur



Demonstrations on "Value Added Fish Products" at COFS, Udgir

7.4.2. Demonstrations for Officers

Demonstrations for officers includes, Advanced disease diagnostic methods and protocols useful in field conditions, ECG Recording & Interpretation, 2D Echo, Synchronization of estrus and AI in Goats, Basics of Small and Large Animal Anaesthesiology, Everyday Ophthalmology for Veterinary Practitioners, Small animal Thoracic and abdominal Ultrasonography, Small animal flexible and Rigid Endoscopy, Veterinary Diagnostic Imaging, Techniques in molecular biology tools for diagnosis of infectious diseases, Field Applicable Veterinary Laboratory Diagnostic Techniques, Veterinary Traumatology and fracture repair, laparoscopic surgery in small animal practice, Sample collection and techniques for Rabies diagnosis, chemical immobilization techniques in wild animals, forensics in wildlife, post mortem examination in wildlife etc. were organized for field officials and professionals. A total of 53 demonstrations were organized wherein 1085 professionals were benefitted.

Table 7.7. Institute wise demonstrations conducted for officers

Sr. No.	Name of Institute	No. of Demonstrations	No. of Participants
1	MVC, Mumbai	08	180
2	NVC, Nagpur	04	160
3	COVAS, Udgir	06	180
4	KNPCVS, Shirwal	27	162
5	PGIVAS, Akola	07	188
6	KVK, Thane	01	215
	Total	53	1085



Demonstration of Sample Collection for rabies diagnosis



Demonstration of Laboratory Diagnostic Techniques



Demonstration of USG Techniques



Expert demonstrating rifle training to the participants



Demonstration of Animal Birth Control surgery to



Demonstration of Small animal flexible and rigid endoscopy' on cadaver by participants at MVC, Mumbai

7.5 MAFSU ADVISORIES

Maharashtra Animal & Fishery Science University, in collaboration with Reliance Foundation, disseminates need-based field advisories to livestock owners through WhatsApp groups in text and image formats. In 2024-25, three advisories collected from COVAS, Akola, one advisory from COFS, Nagpur, and three advisories from NVC, Nagpur were disseminated. The content was disseminated to total 711194 farmers in Maharashtra.

7.6. EXHIBITION STALLS ORGANIZED /PARTICIPATED

The participation of the University in the 46 major exhibitions organized by the various organizations like State level Agriculture Exhibition – 2024 at Parli Vaijanath, Dist. Beed, Krushi Sanjeevani Mahotsav–2025 at Parbhani, Agrovision- 2025, Agrotech Expo-2024 , Sahyadri- Livestock & Agriculture Exhibition–2025, fisheries exhibition, 11th Global kokan festival cum exhibition 2025, Malegaon yatra in Nanded, and others across the state is an important outreach activity for showcasing the latest technologies of the University for the benefit of the farmers.



Table 7.8 Institute wise organization and participation in Exhibitions

Sr. No.	Name of Institute	Exhibition Organized/participated by Colleges		
		No. of Exhibitions	No. of Experts participated	No. of Beneficeries
1	MVC, Mumbai	02	04	100
2	NVC, Nagpur	13	42	2550
3	COVAS, Parbhani	04	08	500
4	COVAS, Udgir	01	03	350
5	KNPCVS, Shirwal	04	45	2035
6	PGIVAS, Akola	05	27	5000
7	CDT, Warud	01	01	1450
8	CDT, Udgir	04	06	425
9	COFS, Nagpur	02	02	2000
10	COFS, Udgir	04	08	674
11	KVK, Thane	04	08	570
12	WRTC, Gorewada	02	09	131
	Total	46	163	15785

1. Participation in State level Agriculture Exhibition -2024

State level Agriculture Exhibition was organized by Department of Agriculture, state Government of Maharashtra at Parli Vaijanath, Dist. Beed for the farmers and livestock owners to get knowledge about recent advances in Agriculture and Livestock technologies. Many farmers from the locality and neighbouring districts visited the Exhibition. As per the directives from Maharashtra Animal and Fishery Sciences University, Nagpur and Office order from Associate Dean, COVAS, Parbhani Exhibition stall was arranged in the above said exhibition and Eight Academic staffs were deputed for the dissemination of the knowledge about advanced Animal Husbandry practices, Livestock feeding, improved varieties of fodder crops, deworming and vaccination of livestock.

2. Participation in Krushi Sanjeevani Mahotsav-2025

The COVAS, Parbhani actively participated in the prestigious State Level Agriculture Exhibition - Krushi Sanjeevani Mahotsav-2025, held from 14 - 18 Feb., 2025 at Parbhani. In alignment with the assigned responsibilities, the college established a technical stall showcasing veterinary technologies, services, and innovations for the farming community. A team of faculty members ensured seamless execution of on-site demonstrations, expert interactions, and technical guidance for livestock farmers. The event served as an effective platform for knowledge exchange, visibility of institutional technologies, and strengthening of farmer-institute linkages.

3. Participation in Agrovision- 2024 and Agritech Expo-2024

The College of Fishery Science, Nagpur and Nagpur Veterinary College, Nagpur participated in two exhibitions viz., Agrovision- 2024 and Agritech Expo-2024 during 2024-2025. The information on fish culture practices, important fisheries and aquaculture technologies, cultivable fishes, fish feeding management, water quality management and disease management were displayed in the exhibition stall of the college. Similarly, miniature models of important fish breeding and farming technologies as well as fish aquarium was also displayed at both the exhibition which were attended by over 2000



farmers and visitors.

4. Participation in Fisheries Exhibition

COFS, Udgir organized fisheries exhibition at Haibatpur, Tal. Udgir Dist. Latur on 28.02.2025. In the exhibition live exhibits like ornamental fishes, various models and flex of modern aquaculture systems, value added fish products etc. were displayed.

5. Participation of WRTC, Gorewada in various Exhibitions

To enhance the visibility of WRTC at both national and international levels, the organization consistently strives to showcase its achievements through participation in exhibitions. WRTC provides essential information to wildlife enthusiasts about various species, including birds, mammals, and reptiles. Additionally, it raises awareness about tranquilization methods, as well as the items and equipment related to both physical and chemical restraint techniques, which are made available for the public and wildlife enthusiasts. Furthermore, WRTC distributes leaflets and pamphlets that address common diseases affecting various wild animals, along with guidance on sample collection from postmortem examinations, among other topics.



Visit of farmers to university stall in State level Agriculture Exhibition at Parli



Visit of school students to university stall in Exhibition at Parbhani



Visit of Hon'ble Minister of Agriculture to stall of the College during Agrotech 2024 organized by Dr. PDKV



Visit of Hon'ble Vice Chancellor (MAFSU) and Director (NMRI) to stall of the Exhibition at Dharni (Amravati)



Participation of COVAS, Akola in AGROTECH-2024



Participation of Colleges at Udgir in exhibition during Havgiswami Yatra festival



Participation of MAFSU in Agrovision 2024



Participation of COFS, Nagpur in Agritech 2024



Participated in Sahyadri- Livestock & Agriculture Exhibition-2025 on 23.02.2025



Participated in Exhibition- Chief Minister-Women empowerment programme



Expert from MVC, Mumbai giving informative folders to farmers during Global Konkan Mahotsav



Hon'ble Vice Chancellor, Dr. Niteen Patil along with the other dignitaries visited the WRTC stall at WANACON-2025



Hon'ble Minister Animal Husbandry, Environment and Climate Change Smt. Pankaja Gopinath Munde visited Demonstration unit during Feed Tech Expo under WANACON 2025



Guests visit to Exhibition Stall of NVC, Nagpur at Melghat

7.7. LIVESTOCK SHOWS PARTICIPATED

The University experts are participating in various livestock shows organized across the State. During 2024-25, total 301 University experts have participated in livestock shows as members/ chairman of judging committees in the exhibitions in 19 livestock shows.

Table 7.9. InSTITUTE wise organization & participation in Livestock shows

Sr. No.	Name of Institute	No. of Livestock Shows organized/participated	No. of Participants
1	MVC, Mumbai	04	20
2	NVC, Nagpur	02	02
3	COVAS, Parbhani	02	03
4	COVAS, Udgir	02	12
5	KNPCVS, Shirwal	04	47
6	PGIVAS, Akola	04	02
7	KVK, Thane	01	02
	Total	19	88

1. Participation in Pashu Pakshi Pradarshani

COVAS, Udgir, CDT, Udgir and COFS, Udgir participated in the Livestock Exhibition organized on occasion of Shri. Hawgiswami Yatra Mahotsav at Udgir on 15th January 2025. College stalls showcased the information about animal husbandry practices, dairy business practices, various dairy and fish products manufacturing process. Live exhibits like ornamental and culturable fishes, various models and displays of modern aquaculture systems etc were showcased. A total 500 visitors, including farmers, youth, students, milkmen, entrepreneurs, visited the stalls. Dr. P. D. Sawale from CDT, Udgir, Dr. A.S. Kulkarni and Dr. S.N. Kunjir, from COFS, Udgir acted as Coordinators. Dr. P. V. Patil, Dr. M. K. Patil, Dr. V. N. Khandait from COVAS, Udgir participated in the Livestock Exhibition as Judges.

2. Participation of MVC, Mumbai in Livestock and Poultry Exhibition at Thane

The Department of Veterinary Public Health, MVC, Mumbai participated in a District-Level



Livestock and Poultry Exhibition held at Bapgaon, Bhiwandi in Dist. Thane on 21st February, 2025. In this event, innovative technologies developed under the ICAR- All India Coordinated Research Project on Post-Harvest Engineering and Technology were displayed. Experts from the agricultural, veterinary, and allied sectors visited the college stall and showed keen interest. Dr. Sangram Chavan, Zoological Museum Manager, along with Mr. Suren Tambe and Mr. Santosh Kumar Kori, technicians from MVC, provided detailed information to farmers, agri-professionals and students regarding the exhibited innovations.

3. Participation in in Sahyadri- Livestock & Agriculture Exhibition-2025”

KNPCVS, Shirwal and COFS, Udgir participated in Sahyadri- Livestock & Agriculture Exhibition-2025” at Krantisinh Nana Patil College of Veterinary Science, Shirwal, Dist. Satara during 23.02.2025 to 24.02.2025. Value added fish products along with various flex of modern aquaculture technologies were displayed in the College stall. More than 200 visitors including farmers and entrepreneurs visited the College stall. Dr. Niteen Patil, Hon'ble Vice- Chancellor, MAFSU, Nagpur visited the stall along with Dr. S.V. Upadhye, Director of Instructions & Dean(Vet.), Dr. N.V. Kurkure, Director of Research and Dr. A.U. Bhikane, Director, Extension Education, MAFSU, Nagpur



Experts from COVAS, Akola participated in judging livestock in Agrotech 2024



Judging of Red Kandhari bull by experts from COVAS, Parbhani



Participation of KNPCVS, Shirwal in Sahyadri 2025



Distribution of pamphlets to visitors by MVC, Mumbai

7.8 CELEBRATIONS

1. Celebration of World Veterinary Day

World Veterinary Day was celebrated on 27th April, 2024 with the theme on “Veterinarians are essential health workers” by constituent veterinary colleges of MAFSU. NVC, Nagpur in Joint collaboration of MAFSU, NDDB, NAWAR, Venky's India Ltd and Animal Husbandry Department organized a WVD programme. Oration for the Faculty and Students of the college was organized at MVC, Mumbai. KNPCVS, Shirwal in collaboration with Wellcon Animal Health organized WVD program. Dr Satywan Agivale delivered lecture on the theme "Veterinarian as an Essential Health Worker".

COVAS, Udgir organized one day technical seminar and Dr. T. P. Bawane, ACAH, Wani, Yavatmal was Guest Speaker. KVK, Thane celebrated WVD by organizing “Scientist Visit to Farmers Gota” at Partale village, Taluka- Murbad, Dist- Thane.

2. Celebration of International Biodiversity Day

An International Biodiversity Day was observed on 22nd May 2024 at PGIVAS, Akola and COFS, Nagpur. At PGIVAS, Akola, Dr. P. S. Bankar delivered Special Radio talk at AIR, Akola and made awareness through print media. At COFS, Nagpur, Dr. Milind Katare, Scientist, Krishi Vigyan Kendra, Meghalaya expressed his views on fish biodiversity and ongoing fish conservation efforts in northeastern states of India. Awareness campaign and health check-up camp was organized by Saksham Cell, COVAS, Udgir at Rajmata Jijau Girls Hostel, Udgir on the theme “Be part of the Biodiversity Plan” for the girl students of Veterinary, Fishery and Dairy Technology College, Udgir.



Dr. Niteen Patil, Hon'ble Vice-Chancellor, MAFSU, Nagpur addressing the gathering at NVC, Nagpur



Dr. Milind Katare delivering lecture at COFS, Nagpur



3. Celebration of World Environment Day-24

World Environment Day 2024 was celebrated at Directorate of Extension Education, MAFSU, Nagpur, CDT, Udgir, COFS, Udgir, COFS, Nagpur, Rajmata Jijau Girls Hostel, Udgir and KVK, Thane on 5th June 2024 by organizing lectures and doing tree plantation by Head of institutes. At Directorate of Extension Education, Dr. A. U. Bhikane, Director Extension Education planted trees in the premises of Farmers Hostel, Nagpur.



Dr. A. U. Bhikane, Director Extension Education doing tree plantation at Shetkari Bhawan

4. Celebration of International Yoga Day Celebration

The eighth International Day of Yoga was celebrated by MAFSU at Head Quarter and constituent colleges of MAFSU on 21st June, 2024 wherein the staff and students performed various Yogasanas under the guidance of Yoga experts.



Celebration of International Yoga Day at COFS, Nagpur

5. Celebration of World Zoonosis Day

Constituent veterinary colleges of MAFSU celebrated World Zoonoses Day on 6th July 2024 with the aim of increasing public awareness about zoonotic diseases. Nagpur Veterinary College, Nagpur in collaboration with Maharashtra State Veterinary Council has organized Continuing Veterinary Education on 'One health for Equity and Access: Ensuring Inclusive Veterinary Care Across Communities'. In continuation to mark the occasion a camp was organized in collaboration with Animal Husbandry department, Yeotmal for screening of zoonotic diseases among the livestock handlers and other risk groups wherein the blood samples of vets and paravets were also collected. The awareness lectures on the zoonotic diseases were delivered by Dr. Sandeep Chaudhari and Dr S.W.Kolte. Dr. Vikas Waskar and Dr. Rahul Kolhe from KNP College of Veterinary Sciences, Shirwal interacted with students of Savitribai Phule High



Milk and rabies awareness campaign



Dr. Navin Kumar, Director, NIV, Pune addressing the participants



school, Naigaon, Dist. Satara to make them aware regarding transmission of diseases. Dr. R. S. Ingole and Dr. B. P. Kamdi from PGIVAS, Akola organized Guest lecture and delivered Radio talk. WRTC, Nagpur organized a one-day awareness programme for the staff and students of the Gorewada Wildlife Rescue Centre.

6. Celebration of Fish Farmers Day by COFS, Nagpur

The College of Fishery Science, Nagpur, in collaboration with members of the Jagruti Fisheries Co-operative Society celebrated Fish Farmers Day on 10th July, 2024 at Kesharnala Lake, Telkamthi, Tal. Kalmeshwar, Dist. Nagpur. The highlight of the event was the ranching of fish seed in the society's reservoir. This initiative aimed to enhance local fish stocks and promote sustainable aquaculture practices in the region.



Ranching of fish seed in the Jagruti Fisheries Co-operative Society's reservoir

7. Celebration of Wildlife Week 2024 by WRTC, Gorewada

Wildlife Research and Training Centre, Gorewada celebrated the wildlife week by organizing various awareness programmes during 2nd to 8th October 2024. Various activities like Bird watching, Kiddos Adventure Cruise Programme for children aged 5-7 years, Blood Donation Camp, Yoga Session and Keepers Day Celebration, rangoli competition, Butterfly Walk, drawing competition and birthday of 170 year old banyan tree were organized by WRTC, Gorewada during celebration of Wildlife Week-2024.



Felicitation of winner in Drawing competition at the hands of Mr. Shiv Bala (IFS)

8. Celebration of World Antimicrobial Resistance Week

Krantisinh Nana Patil Veterinary College, Shirwal organized a public awareness program on the occasion of World Antimicrobial Resistance Awareness Week on 27th November 2024 at Bholi, Tal. Khandala, Dist. Satara, a village adopted under the Unnat Bharat Abhiyan. The program was presided over by the Principal of the school, Shri Bobde. Dr. D. M. Muglikar, Head, Department of Microbiology and Dr. M. S. Budhe delivered lectures.



Lecture delivered on antimicrobial resistance week



9. Celebration of National Farmers Day

National Farmers Day was celebrated by constituent colleges of MAFSU on 23rd December 2024 by felicitating progressive farmers. Programmes were organized at adopted villages of colleges. Experts delivered lectures for farmers on various topics like 'Use of ICT in livestock farming' and 'Sustainable Dairy Farming', Scientific Goat and Poultry Farming, challenges and its remedies, "Fish culture – a profitable venture". At COFS, Nagpur, Dr. S. V. Upadhye, DI & Dean (Vet), Dr. A. U. Bhikane, Director Extension Education, Dr. M. B. Amle, Dean, Fisheries addressed the fish farmers and felicitated progressive fish farmers on this occasion.



Felicitating progressive farmers on the occasion of National Farmers day by COFS, Nagpur



Felicitating progressive farmers on the occasion of National Farmers day by COVAS, Udgir

10. Celebration of International Women Day

International Women's Day was celebrated on 8th March 2025 at constituent colleges of MAFSU. A seminar for students & staff was organized on the theme 'Stronger Her, Healthier Future' at MVC, Mumbai. NVC, Nagpur celebrated International Women's Day 2025, under the theme "For All Women and Girls: Rights, Equality and Empowerment". Apart from knowledge-sharing sessions on mental health, meditation, stress management, personal hygiene and diet, a Marathon and Rally were organized to spread awareness and celebrate the strength of women. COVAS, Udgir hosted a successful Health Check-up Camp in collaboration with Civil Hospital Udgir, benefiting 65 individuals comprised of 40 girl students and 25 Pashusakhis. The Day was also celebrated at Rajmata Jijau Girls Hostel, Udgir by organizing lecture of motivational speaker, Prof. Dr. M B Swami on "Empowered women, Empower the world" and "Sahaj Yoga Meditation Programme" for girl students of Veterinary, Fishery and Dairy Technology College, Udgir. COVAS, Parbhani celebrated World Women's Day with an inspiring program



Celebration of World Women Day by KVK, Nagpur at Saoner



Staff & students with Police Sub Inspector Swati Kawale at COVAS, Parbhani



themed "Accelerate Action." The event featured distinguished speakers including Chief Guest Police Sub Inspector Swati Kawale. COFS, Nagpur celebrated the day under the theme "Bold Mind, Brave Heart, Boundless Future: As the World Transforms with Information. KVK, Nagpur organized symposium on 'Importance of Animal Food in Women's diet' at Saoner Taluka.

11. MAFSU's Awareness Campaigns

To celebrate the silver Jubilee year of the university a special 'Milk Awareness Campaign', 'Rabies Awareness Campaign', 'Egg Awareness Campaign' and 'Fish Awareness Campaign' are planned with the initiative of Directorate of Extension Education, MAFSU, Nagpur.

- **MAFSU-Milk Awareness Campaign**

Milk Awareness programs were organized in different schools with the line 'दुध प्या दिर्घायुषी व्हा' by the faculties of all constituent colleges and KVKs of MAFSU, Nagpur. Programs were organized for different school students including a demonstration on the processing of various dairy products, delivering information on the importance of the milk and milk products in daily diet, organized Street play on Clean milk production etc. MAFSU published 11 leaflets on milk and milk products and distributed them among the participants. The College of Dairy Technology, Udgir Dist. Latur developed 'Gul Peda' and 'Whey drink' that is nutritious for human beings.



Milk awareness campaign organized by CDT, Warud



Distribution of milk to school students by CDT, Udgir



Milk awareness campaigns organized at Village Soholi and Tadsar by KVK, Sangli

- **MAFSU's Silver Jubilee Initiative 'Mission Zero Rabies Deaths'**

To commemorate its Silver Jubilee year, Maharashtra Animal & Fishery Sciences University (MAFSU), Nagpur, has initiated a state-wide Rabies Awareness Campaign titled 'Mission Zero Rabies Deaths'. The campaign aims to raise awareness, enhance rabies diagnosis capacity, and intensify vaccination efforts to reduce rabies-related deaths in Maharashtra in animals and human.

To mark the occasion of World Rabies Day 2024, various constituent colleges and institutions under MAFSU organized free anti-rabies vaccination camps, awareness programs, and educational



Dr. A. U. Bhikane addressing the students on Rabies Disease



Dr. A. P. Somkuwar addressing during concluding ceremony of Mass Vaccination Programme at NVC, Nagpur



Demonstration of Sample Collection and Hands on training on rabies diagnosis at MVC, Mumbai



initiatives to promote rabies prevention and control.

Through these extensive initiatives, MAFSU continues to promote rabies awareness and prevention across Maharashtra, ensuring a safer environment for both animals and humans

- **Egg Awareness Campaign**

An year long Egg awareness campaign was started from 11th October 2024 i.e. on World Egg Day. The faculties of all constituent colleges and Krishi Vigyan Kendra's (KVKs) under MAFSU, Nagpur actively conducted a series of egg awareness programs across different schools, with the tagline 'रोज खाऊ अंडी मस्त, शरीराला ठेवू तंदुरुस्त'. Experts delivered lectures on importance of eggs in human diet. These initiatives aimed to highlight the importance of egg consumption in promoting human health. These programs focused on the nutritional benefits of eggs and their inclusion in the daily diet. Various competitions such as egg recipe contests, quizzes, slogan writing, and egg-eating competitions were conducted to engage participants creatively and promote awareness. Additionally, boiled eggs were distributed among school students and farmers as part of the outreach initiative to encourage egg consumption.



Egg distribution to students by COVAS, Udgir



Egg-eating competition by KNPCVS, Shirwal



Egg Awareness among Goat Farming trainees of NVC Nagpur

- **Fish Awareness Campaign**

An Yearlong Fish Awareness Campaign was started from 21st November 2024 i.e. World Fisheries Day. The Maharashtra Animal and Fishery Sciences University (MAFSU) mobilized its Fishery Science College, Nagpur and Udgir to conduct a successful Fish Awareness Campaign. The Fish Awareness Campaign, launched by MAFSU with the tagline 'मासे खा, निरोगी रहा', aims to educate various stakeholders about the importance of fish and fisheries, promoting sustainable practices and community involvement by organizing various programmes like Seminars, lectures, workshops etc.

The initiative from COFS, Nagpur featured fish seed ranching for farmers at Veena Dam, Pethkaldongari, student competitions like rangoli, scientific model making and elocution, aquaculture workshops effectively promoting sustainable practices, fish nutrition, and economic opportunities in



Hon'ble Vice-Chancellor, MAFSU and other dignitaries ranching fingerlings of IMC into the Vena Dam



Poster making competition at COFS, Udgir



Fish Awareness Programme at COFS, Nagpur

fisheries.

Through a range of programs, including awareness lectures, seminars, and competitions, the colleges promoted fish awareness among diverse groups.

7.9 FIELD VISITS OF SCIENTISTS

The experts from the constituent college/Institute are regularly visiting the farmer's field for guidance and demonstrations for the dairy, poultry and fishery farmers. The technologies developed by the University and other national institutes are regularly demonstrated for the benefits of the farmers so that the farmers can take advantages of these technologies.

These farm and field visits are important part of the rapport building exercise among the farmers about the outreach activities of the University. The University staff regularly visits the progressive farmers to disseminate the latest technologies so that its adoption across the farming community can be ensured for their benefit. In all 149 experts conducted 202 visits to farmer's field and guided 4585 farmers across the state.

Table 7.10. College wise & institute wise field visits of Scientists

Sr. No.	Name of Institute	No. of Field visits of staff	No. of experts participated	No. of Beneficiaries
1	MVC, Mumbai	61	39	790
2	NVC, Nagpur	11	09	290
3	COVAS, Parbhani	02	03	150
4	KNPCVS, Shirwal	20	40	1520
5	COVAS, Akola	44	09	108
6	CDT, Warud	22	05	1506
7	CDT, Udgir	08	05	08
8	COFS, Nagpur	01	04	87
9	COFS, Udgir	07	08	24
10	WRTC, Gorewada	18	19	24
11	KVK, Sangli	06	05	34
12	KVK, Thane	02	03	44
	Total	202	149	4585



Visit of Dr. P. V. Patil to goat farm



Visit of experts from COVAS, Akola to Nirvana Goat Farm



Interaction of Scientists from COVAS, Parbhani with Mathura Cattle Farmers



Dr. Niteen Patil, Hon'ble Vice Chancellor released IMC seed at Gadchiroli Jail, Gadchiroli



Field visit of Scientists from KVK, Thane



Field visit of experts of COFS, Udgir to farm pond at Village Wadhvana



Visit of scientists to animal sheds by KVK, Thane



Visit of scientists to dairy farm for subclinical mastitis testing



Visit of experts from COFS, Udgir to farm pond at Village Digras Tal. Udgir



Scientist visits to farmers field in the jurisdiction of KVK, Sangli 2



7.10. VISITS OF FARMERS TO INSTITUTE

Farmers are regularly visiting the various institutes/ farms of MAFSU individually and in groups to acquire the information and technical knowledge of various animal husbandry, dairying and fisheries activities including value addition in animal products, poultry and fisheries. Besides this, farmers are also visiting the different departments to take advice and services from the experts. The technology demonstration and museums are regular sites for the farmers visit in the college/Institutes. A total of 4010 farmers visits involving 89 experts and 5262 farmers were recorded during the last year to the constituent Colleges/Institutes of MAFSU.



Shri A. K. Kulkarni guiding students visiting college



Dr. P. V. Patil guiding the farmers during their visit to LFC, COVAS, Udgir



Poultry farmers visit to MVC, Mumbai



The exposure visit by the farmers to VCC, COVAS, Udgir

7.11 EXTENSION PUBLICATION

Apart from articles published in local newspapers and magazines, the Directorate of Extension Education has published following publications.

1. **Annual Report:** The annual report is the representation of the university activities in the domain of education, research, extension and administration. Annual report 2023-24 included information of Establishment, Education, Research, Farm activities, Extension, Construction, and Accounts was placed in Legislative Council & Legislative Assembly in winter session of Maharashtra State and were approved.
2. **MAFSUVARTA:** It is a quarterly newsletter is a unique brand of the University which covers the important happenings in the University. These newsletters are not only covering the important events in the university but also highlighting the specific theme-based editorials by the Hon'ble Vice-Chancellor and a two-page picturesque cover story on important events/technological development



and significant achievements of the University. Four issues of the Quarterly MAFSU Newsletter from April 2024 to March 2025 were published during the year.

3. **Leaflets:** Informative leaflets on occasion of Milk Awareness, Egg Awareness, Rabies Awareness and Fisheries Awareness campaigns were published by University for distribution in farmers, stakeholders, students etc. Leaflets on blood transfusion in large animals, snake bite, MAFSU Museum, Karkambi pig, Kathani Cattle, Bhimthadi Horse, Osteomalacia in dairy cows and buffaloes, Leucoderma in buffaloes and its treatment etc were also published by University.

4. **MAFSU Calendar 2025:** It is based on the theme of 25 years of journey of all institutes of Maharashtra Animal & Fishery Sciences University (MAFSU), Nagpur on Silver Jubilee year celebration of establishment of MAFSU. Besides this the copies of this calendar are given to all the district authorities of Animal Husbandry department, Dairy Development and Fisheries and it is well ensured that it reaches in every taluka of the state and a copy is also available on university website.

5. **MAFSU Diary 2025:** It is having information on important achievements of university, scientific information on dairy, goat, poultry, fishery, Dairy technology, value addition in milk, meat and other animal products, Fodder and feeding of different categories of animals, care and management of dogs and other relevant information about animal husbandry, dairy technology and fisheries is available for farmers. The copies of MAFSU Diary are widely circulated through the network of the constituent colleges and the statewide spread lower education schools. Besides this, informative diary is also made available on the University Website for its wide use.

6. **Extension publications:** Popular publication by Faculty members are usually on the transfer of scientific information & technologies for the farmers and other stakeholders and are published in local newspapers/ magazines etc.

Table 7.11 Institute wise Extension Publications

Sr. No.	Name of Institute	No. of Books/ Booklets /Souvenirs Compendium/training manuals/ Periodicals	No. of Popular Articles	No. of Leaflets/ Folders
1	DEE, MAFSU, Nagpur	00	00	14
2	MVC, Mumbai	05	24	02
3	NVC, Nagpur	35	92	01
4	COVAS, Parbhani	03	27	06
5	COVAS, Udgir	10	27	02
6	KNPCVS, Shirwal	09	31	00
7	PGIVAS, Akola	10	56	07
8	CDT, Warud	01	00	01
9	CDT, Udgir	01	02	05
10	COFS, Nagpur	01	02	00
11	COFS, Udgir	01	02	00
12	WRTC, Gorewada	00	10	00
Total		76	273	38



The faculty of the University has published a total of 273 technical and popular publications through the reputed newspapers, magazines, and periodicals. The faculty members have also contributed for publication of 76 books/booklets/ manuals/ souvenirs and a total of 38 leaflets and folders were also published by the faculty members. The leaflets published by the university has a unique QR code and these publications are widely used by the farming community and all the stakeholders for applicability of same for adoption of latest technologies by the farmers.

7.12 RADIO & TELEVISION TALKS

Media-Based Extension: Broadcast Talks for Livestock Farmers

The present day farmers are well versed with the use of radio and television through internet and this has significantly increased the outreach of these media amongst the farmers especially the youth. The use of electronic Medias like radio and television has proved its effectiveness in dissemination of the research based innovations and new technologies for the farmers.

Faculty members from the college actively contributed to public outreach by delivering expert talks through All India Radio (AIR) and Doordarshan on topics related to livestock health, nutrition, reproduction, and disease prevention. These audio-visual sessions, broadcast under programs like Shetshivar, Krishivani, and state-level awareness campaigns, aimed to disseminate scientific knowledge to farming communities in an accessible manner. The talks covered seasonal disease control, reproductive management, and best practices in poultry and dairy farming, thereby enhancing farmers' awareness, encouraging scientific interventions, and supporting sustainable livestock development.

A total of 56 radio talks and 29 television talks were given by the expert faculty members from the University. The radio and television is encouraged through participation of the regional advisory meeting of the Doordarshan and Akashvani and more and more research based new technologies are advocated for the incorporation of these topics in the quarterly schedule of the AIR and Doordarshan.



TV talk on Milk awareness campaign



TV talk on research done by MAFSU

7.13. UNNAT BHARAT ABHIYAN

The theme of the Unnat Bharat Abhiyan is to integrate the College-Knowledge-Village pathway to propel the available technologies from the research and development institutes to the villages through the college students under the guidance of the faculty members.

The University is working for the dissemination of latest technologies to the farmers through theses adopted or operational villages. A total of 30 villages are adopted under “Unnat Bharat Abhiyan” the ambitious rural development program of Govt. of India for linking the Institutes of Higher Learning



with the villages for sustainable synergistic development of the rural areas to achieve the aim of self-reliant India (Atmanirbhar Bharat).

Table 7.14 Institute wise extension activities conducted in adopted villages

Sr. No.	Name of College	No. of Adopted Village	No. of Extension activities	No. of Experts involved	No. of Participants
1	MVC, Mumbai	5	13	27	469
2	NVC, Nagpur	5	14	26	525
3	COVAS, Parbhani	5	16	12	450
4	COVAS, Udgir	5	83	20	5230
5	KNPCVS, Shirwal	5	12	16	696
6	PGIVAS, Akola	1	21	15	700
7	CDT, Warud	1	13	05	497
8	CDT, Udgir	1	20	08	1083
9	COFS, Nagpur	1	09	04	326
10	COFS, Udgir	1	03	08	85
	Total	30 villages	204	139	10061

The initiative includes the visit of University Scientist in the adopted villages for organization of various developmental activities in the villages. The university took a unique step forward for further improving this programme through the budgetary provision of Rs. 50,000/- per villages thus making a total budget of Rs. 15.00 Lakhs per year for the implementation of this programme in the coming five years. During the last year through 204 different programs like farm visits, farmers scientist meet, group discussions, awareness campaigns, tree plantation, cleanliness drive, fodder production, value added milk, meat and fish product preparation, ambulatory clinical services, animal health camps, trainings, demonstrations, guidance about new technologies in the animal husbandry, dairying and fisheries, etc. were organized through which, a total of 10061 farmers were benefitted in these adopted villages of the university with the involvement of 139 experts from colleges.



Awareness of Rabies for students at Johe, Tal. Pen, Dist. Raigad by MVC, Mumbai



Voting awareness campaign at Nilgaon by students of NVC, Nagpur



Poultry feed distribution to poultry farmers at Nandapur, Tq and Dist Parbhani by COVAS, Parbhani



Expert performing operation in animal health camp organized by COVAS, Akola



Fisheries Exhibition organised at adopted village by COFS, Udgir



Milk among the children for health boosting by CDT, Udgir



Ectoparasiticide spraying by students of KNPCVS, Shirwal



Chief guest addressing farmers during workshop organized by COFS, Nagpur

7.14. ANIMAL HEALTH CAMPS

The organization of animal health camps by the constituent colleges in their jurisdiction is yet another novel outreach for extending the goodwill for the university and providing the experts' services for the rural farmers wherein 12199 animals were treated through 109 animal health camps. Beside this, the experts from the university are also guiding the farmers on latest technologies for improving productivity and production of the farm animals.



Table 7.13 Cases Treated in Animal Health Camps

Sr. No.	Name of Institute	Number of Animal Health camps organized	Number of cases treated
1	MVC, Mumbai	19	2982
2	NVC, Nagpur	03	800
3	COVAS, Parbhani	03	277
4	COVAS, Udgir	17	2829
5	KNPCVS, Shirwal	32	3848
6	PGIVAS, Akola	31	1264
7	CDT, Warud	02	38
8	CDT, Udgir	01	131
9	WRTC, Gorewada	01	30
	Total	109	12199



Vaccination camp at MVC, Mumbai



Expert from COVAS, Parbhani examining animal during animal health camp



Infertility camp by MVC, Mumbai



Examination of animal during camp organized by COVAS, Akola



Dr. P. V. Patil from COVAS, Udgir drenching dewormer to calf during camp



Expert from NVC, Nagpur treating animal during camp

7.15. HOSPITAL SERVICES

The Veterinary Clinical Complex (VCC) at the Colleges provides comprehensive clinical services to livestock and pet owners across the region. These services are extended by expert clinicians and technical staff through advanced diagnostic, therapeutic, and outreach facilities. Besides this the staff of the Veterinary Clinical Complexes (VCC) is actively involved in the outstation animal health camps being organized by the colleges.

A total of 71 cases were treated by the staff of the VCC wherein the cases treated in hospitals are and animals were treated during the ambulatory services being provided by the colleges and cases were treated in camps. Among the cases treated, 40472 medicine cases, 70458 surgery cases and 14961 gynaecology cases were treated.

Table 7.14 Institute wise Cases Treated in Hospital & Ambulatory Clinic

Sr. No.	Name of Institute	No. of cases treated			Revenue Receipt
		Hospital	Ambulatory Clinic	Total	
1	MVC, Mumbai	51872	567	52439	1654293.00
2	NVC, Nagpur	31936	47	31983	1,11,82,165.00
3	COVAS, Parbhani	5135	0	5135	708195.00
4	COVAS, Udgir	6704	1947	8651	19,57,670.00
5	KNPCVS, Shirwal	9939	213	10152	41,06,980.00
6	PGIVAS, Akola	8098	921	9019	15,94,564.00
7	WRTC, Gorewada	290	02	292	00
	Total	113974	3697	117671	21202867



Treatment of Tiger GT-38 for tick infestation at WRTC, Gorewada



Treatment of Large animal at VCC, COVAS, Akola

The advance imaging techniques like USG were used for 5022 cases while 5830 X-Rays were processed by the experts in the hospitals of the University.



Table 7.15. Institute wise diagnostic services provided in VCC

Sr. No.	Name of Institute	Imaging techniques	
		X-ray	USG
1	MVC, Mumbai	225	1200
2	NVC, Nagpur	1260	914
3	COVAS, Parbhani	429	469
4	COVAS, Udgir	633	108
5	KNPCVS, Shirwal	2908	2057
6	COVAS, Akola	362	273
7	WRTC, Gorewada	13	01
	Total	5830	5022

7.16. LABORATORY DIAGNOSTIC SERVICES PROVIDED

Various laboratory diagnostic services include samples processed at departments of Pathology, Parasitology, Biochemistry, Microbiology and Veterinary Clinical Complexes of Veterinary Colleges and Institutes of MAFSU.

The Veterinary Clinical Complex are having well equipped clinical laboratory where all the haematological estimations, biochemical estimations are routinely carried out.

A total of 12809 blood samples were analyzed for CBC, 8616 blood smears were examined, 3175 faecal samples were examined for parasitic infestations and 14184 biochemical estimations were carried out in the hospitals.

Table 7.16. Institute wise laboratory diagnostic services provided

Sr. No.	Name of Institute	No. of samples processed				
		CBC	Blood Smear	Faecal exam	Biochemical	Miscellene-ous
1	MVC, Mumbai	1023	152	1587	1177	301
2	NVC, Nagpur	2584	2590	712	9479	1581
3	COVAS, Parbhani	87	84	53	956	00
4	COVAS, Udgir	1890	663	114	867	00
5	KNPCVS, Shirwal	5929	3929	399	942	1505
6	COVAS, Akola	1042	1098	32	660	1061
7	WRTC, Gorewada	254	100	278	103	2249
	Total	12809	8616	3175	14184	6697

7.17 INAUGURATIONS

1. Launching of Innovative Research Based Dairy Products at STDP of CDT, Warud

On April 5, 2024, the College of Dairy Technology, Warud (Pusad) launched an innovative line of dairy products based on research, including Mysore Pak, Chhana-podo, and two varieties of Musk-melon and Mango Ice cream with the hands of Dr. Niteen Patil, Hon'ble Vice-Chancellor, Dr. A. U. Bhikane, Director of Extension Education, Dr. Kurkure, Director of Research and Dr. P. G. Wasnik, Dean of Dairy Technology, MAFSU, Nagpur.



Launching of dairy products by Dr. N. V. Patil, Hon'ble Vice-Chancellor



2. Launching of whey drinks and Jaggary Pedha by CDT, Udgir

Two whey drinks (Mango and Orange flavoured) and Jaggary pedha, dairy products prepared by College of Dairy Technology, Udgir were launched by Hon'ble Vice-Chancellor, Dr. Niteen Patil during the inauguration program of 21st JASRC meeting at MAFSU headquarter, Nagpur on 18th June 2024.



Launching of two innovative milk products Milk whey and Jaggary Pedha

3. Foundation stone laying ceremony of New College Building of MVC, Mumbai at Goregaon

The Foundation stone laying ceremony of the New College Building of Mumbai Veterinary College at Goregaon was held on 1st October 2024 at the hands of Hon'ble Shri Radhakrishna Vikhe Patil, Pro- Chancellor, MAFSU and Minister of Revenue, Animal Husbandry and Dairy development, (MS) in the gracious presence of Hon'ble Shri Ravindra Dattaram Waikar, MP, Mumbai North West, Dr. Niteen Patil, Hon'ble Vice-Chancellor, MAFSU, Hon'ble Shri Rajendra Kshirsagar (IAS), Collector, Mumbai Suburban, Dr. S. V. Upadhye, DI and Dean, MAFSU, Nagpur and Dr. S. U. Gulavane Associate Dean of MVC, Mumbai.



The Foundation stone laying ceremony of the new college building of MVC at Goregaon

4. Inauguration of Livestock Product Sale Counter at KNPCVS, Shirwal

The Hon'ble Vice Chancellor of MAFSU, Dr. Niteen Patil inaugurated the Livestock Product Sale Counter at Krantisinh Nana Patil Veterinary College, Shirwal on 14th November 2024 in the presence of Dr. S. V. Upadhye, DI & Dean (Vet), Dr. N. V. Kurkure, Director of Research and Dr. Milind Meshram, Associate Dean of the college.



Inauguration of livestock product counter by the guests

5. Inauguration of Krushi Vigyan Kendra, Dudhbardi, Nagpur

The newly constructed Administrative building and Farmers Hostel of Krushi Vigyan Kendra, Dudhbardi, Nagpur were inaugurated at the auspicious hands of Dr. Himanshu Pathak, Hon'ble Secretary, DARE & Director General, ICAR, New Delhi on 19th January 2025. The programme was



chaired by Dr. Niteen Patil, Vice-Chancellor, MAFSU, Nagpur. Dr. S. K. Roy, Director, ICAR-ATARI, Pune, Dr. Y. G. Prasad · Director, ICAR-CICR, Dr N. G. Patil. Director, ICAR- NBSS and LUP, Nagpur, Dr. S. K. Shukla. ICAR-CIRCT, Dr. A.U. Bhikane, Director of Extension Education, Nagpur and Dr. S. P. Landge, Senior Scientist and Head, KVK, Nagpur were present on the dais.



Dr. Himanshu Pathak, Hon'ble Secretary, DARE & Director General, ICAR, inaugurating administrative building of KVK, Nagpur

6. Inauguration of New Building of the College of Fishery Science, Nagpur and Skill Development Centre, MAFSU, Nagpur

The new building of the College of Fishery Science, Nagpur and Skill Development Centre was inaugurated on 20th January, 2025 by Hon'ble Pankajatai Munde, Minister for Animal Husbandry, Environment, and Climate Change, Government of Maharashtra. Dr. Himanshu Pathak, Hon'ble Secretary (DARE) and Director General, ICAR, New Delhi, Dr. N. Ramaswamy, Hon'ble Secretary, Animal Husbandry, Dairy Development, and Fisheries, Government of Maharashtra and Dr. Niteen Patil, Hon'ble Vice-Chancellor, MAFSU, Nagpur were the Guests of Honor. The event was attended by Dr. Pravin Kumar Deore, Commissioner, Animal Husbandry, Government of Maharashtra, Dr. Raghavendra Bhatta, Deputy Director General, ICAR, New Delhi, along with senior officials from MAFSU, Nagpur.



Hon'ble Pankajatai Munde inaugurating the new building of COFS, Nagpur

7. Inauguration of PG Boys Hostel at COVAS, Akola

The inauguration of newly constructed Postgraduate Boys Hostel at COVAS, Akola was done at the hands of Dr. Niteen V. Patil, Hon'ble Vice Chancellor, MAFSU, Nagpur on 16th March 2025 in the august presence of Dr. S. V. Upadhye, DI and Dean (Veterinary Science), MAFSU, Nagpur.



Inauguration of Boys Hostel at PGIVAS, Akola



8. Launching of Digital Pashudhanshala

The Maharashtra Animal and Fishery Sciences University (MAFSU), Nagpur, has formalized a strategic partnership with Paani Foundation through a Memorandum of Understanding (MoU) to collaboratively execute extension activities focused on benefitting the farming community. In alignment with this MoU, a flagship initiative titled "Digital Pashudhanshala" was launched on 19th June 2024, in partnership with Paani Foundation and State Agricultural Universities. The "Digital Pashudhanshala" program is designed to deliver real-time, expert-driven insights on key topics. This initiative underscores MAFSU's commitment to utilizing digital platforms for the effective dissemination of extension services.



Experts participation in Digital Pashudhanshala



8. MEMORANDAM OF UNDERSTANDING

MAFSU continues to expand its collaborative outreach through strategic partnerships with reputed organizations across the country. The MoUs signed during the period 2024–25 reflect the University's commitment to sustainable livestock development, translational research, knowledge exchange, and societal impact. Such initiatives are expected to create opportunities for faculty, students, and stakeholders while aligning academic efforts with industry and societal needs.

1. Sahyadri Tiger Reserve (STR) and Wildlife Research and Training Centre, Nagpur
2. RESQ, Pune and WRTC, Nagpur
3. Mumbai Veterinary College and Med-Cubator Innovations Pvt. Ltd.
4. MAFSU, Nagpur and BAIF Development Research Foundation, Urulikanchan, Pune
5. MAFSU, Nagpur and ICAR-National Institute of Animal Nutrition and Physiology, Adugodi, Bengaluru, Karnataka
6. MAFSU, Nagpur and VNMKV, Parbhani
7. MAFSU, Nagpur and CIRG, Makhdoom, Uttar Pradesh
8. ICAR-CSWRI Avikanagar and MAFSU, Nagpur
9. ICAR- -NIVEDI, Bengaluru and MAFSU, Nagpur
10. Nagpur Veterinary College, MAFSU, Nagpur and Immeureka Animal Health Pvt Ltd, Secunderabad
11. MAFSU, Nagpur and ICAR- CIRC, Meerut Cantt
12. MAFSU, Nagpur and Annasaheb Shinde Foundation
13. Mumbai Veterinary College and Centre for People's Collective (CPC) Nagpur
14. MAFSU, Nagpur and Prompt Equipments Pvt. Ltd., Ahmedabad
15. MAFSU, Nagpur and Agrinnovate India Limited, Nagpur

1. MoU between Sahyadri Tiger Reserve (STR) and Wildlife Research and Training Centre, Nagpur

A Memorandum of Understanding was signed between Sahyadri Tiger Reserve (STR) and Wildlife Research and Training Centre, Nagpur on 26th April 2024 on the Occasion of World Veterinary Day at Nagpur Veterinary College, Nagpur. The MoU would prove to be mutually beneficial as STR will facilitate staff working of WRTC to approach wildlife in protected areas for providing health cover and

conducting research & training while WRTC will essentially provide its technical expertise and support in areas of Wildlife Health and Management. Dr. Shirish Upadhye, Director, WRTC and Shri. Ramanujan, Field Director, STR signed the MoU in presence of Dr. Niteen Patil, Hon'ble Vice-Chancellor, MAFSU.



MoU between STR and WRTC, Nagpur



2. MoU between RESQ, Pune and WRTC, Nagpur

A Memorandum of Understanding was signed between RESQ and Wildlife Research and Training Centre, Nagpur on 21st May, 2024 by Dr. Shirish Upadhye, Director, WRTC and Ms. Neha Panchamiya, Founder and President, RESQ Charitable Trust, Pune with the aim of providing blood samples / tissue samples to WRTC in order to create repositories from wild animals presented to RESQ CT facility, in turn, WRTC will provide expertise services related to wildlife health, forensics, assisted reproductive technologies, laboratory and clinical facilities for research and health care & management of wildlife.



MoU between RESQ, Pune and WRTC, Nagpur

3. MoU between Mumbai Veterinary College and Med-Cubator Innovations Pvt. Ltd.

A MoU approved by MAFSU, was signed between Department of Surgery and Radiology, Mumbai Veterinary College and Med-Cubator Innovations Private Limited on 08th July 2024 and effective from January 2024 for three years with aim to provide training in Minimally Invasive surgery to Medicos and Veterinarians, industry academia interaction and improvement of skills and know how, enhance the awareness of new surgical technology amongst academic and their practical use in clinical setting etc. Dr. S. U. Gulavane, Associate Dean, MVC, and Mr. RohitGandhare, Director Med-Incubator Innovations Pvt. Limited, signed the MoU.



MoU between Mumbai Veterinary College and Med-Cubator Innovations Pvt. Ltd

4. MoU between MAFSU, Nagpur and BAIF Development Research Foundation, Urulikanchan, Pune

Maharashtra Animal and Fishery Sciences University (MAFSU), Nagpur, formalized collaborative agreements by signing a Memorandum of Understanding (MoU) with BAIF Development Research Foundation, Urulikanchan, Pune, on 12th June 2024. The primary aim of this MoU is to facilitate multidisciplinary research and extension endeavors, as well as promote intellectual cooperation and scholarly exchange between the two institutions. The MoUs were signed by Dr. Niteen V. Patil, the Hon'ble Vice-Chancellor of MAFSU and Dr. Bharat Kakde, President and



Signing of MoU between MAFSU Nagpur and BAIF Development Research Foundation



Managing Trustee of BAIF Development Research Foundation, representing their respective organizations. On behalf of MAFSU, Dr. N.V. Kurkure, Director of Research and Dr. M. D. Meshram, Associate Dean, KNPCVS, Shirwal witnessed the signing ceremony.

5. MoU between MAFSU, Nagpur, and ICAR-National Institute of Animal Nutrition and Physiology, Adugodi, Bengaluru, Karnataka

On August 17, 2024, the Maharashtra Animal and Fishery Sciences University (MAFSU), Nagpur, signed an MoU with the ICAR-National Institute of Animal Nutrition and Physiology (NIANP), Bengaluru. This agreement focuses on fostering collaborative research in animal nutrition and physiology while facilitating postgraduate research opportunities for master's and doctoral students. The MoU was exchanged during the National Conference on "Dairying – A Tool for Livelihood, Health, and Nutrition," hosted in Nagpur. The event was graced by the presence of Shri Nitin Ji Gadkari, Hon'ble Minister of Road Transport and Highways, Government of India, who witnessed the formal exchange of the documents. The MoU was signed by Dr. Niteen V. Patil, Hon'ble Vice-Chancellor of MAFSU, and Dr. Artabandhu Sahoo, Hon'ble Director of ICAR - NIANP.



Exchange of MoU between MAFSU, Nagpur, and ICAR-NIANP, Bengaluru

6. MoU between MAFSU, Nagpur, and VNMKV, Parbhani

Maharashtra Animal and Fishery Sciences University (MAFSU), Nagpur, and Vasantao Naik Marathwada Krishi Vidyapeeth (VNMKV), Parbhani, entered into a formal partnership by signing a Memorandum of Understanding (MoU) on 17th August 2024. This agreement aims to enhance cooperation in teaching, research and extension activities. It also promotes collaborative efforts in master's and doctoral research, along with practical training and internships for undergraduate students between the two institutions.

The MoU was exchanged during the National Conference on "Dairying – A Tool for Livelihood, Health, and Nutrition," held in Nagpur, in the presence of Shri Nitin Ji Gadkari, Hon'ble Minister of Road



Signing of MoU between MAFSU, Nagpur, and VNMKV, Parbhani



Exchange of MoU between MAFSU, Nagpur, and VNMKV, Parbhani



Transport and Highways, Govt. of India. The formal exchange of documents marks the beginning of a collaborative journey. The agreement was signed by Dr. Niteen V. Patil, Hon'ble Vice-Chancellor of MAFSU, and Dr. Indra Mani, Hon'ble Vice-Chancellor of VNMKV.

7. MoU between MAFSU, Nagpur, and CIRG, Makhdoom, Uttar Pradesh

Maharashtra Animal and Fishery Sciences University (MAFSU), Nagpur, and ICAR-Central Institute for Research on Goats (CIRG), Makhdoom, Uttar Pradesh, formalized their partnership through an MoU on August 17, 2024. The agreement focuses on collaboration in research related to goat health and production, as well as facilitating training programs, research work of master 's and doctoral students, and internships for undergraduate students. The MoU was exchanged during the inaugural session of the National Conference on "Dairying – A Tool for Livelihood, Health, and Nutrition" held in Nagpur.

The event was attended by Shri Nitin Gadkari, Hon'ble Minister of Road Transport & Highways, who witnessed the exchange of documents. Dr. Niteen V. Patil, Hon'ble Vice-Chancellor of MAFSU, and Dr. Manish Kumar Chatli, Hon'ble Director of CIRG, signed the agreement on behalf of their respective institutions.

8. MoU between ICAR-CSWRI Avikanagar and MAFSU Nagpur

As part of ongoing efforts to foster collaborative academic and research activities with various institutes, an MoU was signed between the ICAR-Central Sheep and Wool Research Institute, Avikanagar, and MAFSU, Nagpur, on October 1, 2024. The MoU aims to collaborate on teaching, research, and extension activities between both parties. The agreement was signed by Dr. Niteen V. Patil, Hon'ble Vice-Chancellor of MAFSU, and Dr. Arun Kumar Tomar, Hon'ble Director, ICAR-CSWRI, Avikanagar, Rajasthan.

9. MoA between ICAR-NIVEDI, Bengaluru and MAFSU, Nagpur

The MoA between ICAR-National Institute of Veterinary Epidemiology and Disease Informatics (ICAR-NIVEDI), Bengaluru – 560064, Karnataka and MAFSU, Nagpur was signed on 16th October 2024. ICAR-NIVEDI has initiated a collaborative project titled, "Estimates of risk and assessment of burden of zoonotic TB in India (ERAZTB)" The project is supported by the Pennsylvania State University (PSU), USA. NVC, Nagpur, and MVC, Mumbai, are collaborating on this project. The agreement was signed by Dr. Niteen V. Patil, Hon'ble Vice-Chancellor of MAFSU, and Dr. Baldev Gulati, Director-NIVEDI.

10. MoU between Nagpur Veterinary College, MAFSU, Nagpur, and Immeureka Animal Health Pvt Ltd, Secunderabad

Nagpur Veterinary College, MAFSU, Nagpur, and Immeureka Animal Health Pvt. Ltd., Secunderabad, have entered into a formal partnership by signing a Memorandum of Understanding (MoU). This MoU seeks to foster collaborative research, promote the exchange of ideas, and contribute to the advancement of knowledge while enhancing high quality research expertise. The primary focus of the research collaboration between the parties will be in the fields of Animal and Veterinary Science.

The MoU was exchanged during the concluding program of the summit. National Conference "IPSACON 2024," held at NVC, Nagpur on 18th October 2024. The formal exchange of documents marks the beginning of a collaborative journey. The agreement was exchanged in August in the presence of Dr.



N.V. Patil, Hon'ble Vice Chancellor, MAFSU, Nagpur. The MoU was signed by Dr. A. P. Somkuwar, Associate Dean, NVC, Nagpur and Dr. D. K. Dey, Executive Director, Immeureka Animal Health Pvt Ltd, Secunderabad, Telangana.

11. MoU between MAFSU, Nagpur, and ICAR-CIRC, Meerut Cantt

The Memorandum of Understanding (MoU) was signed between MAFSU, Nagpur and ICAR-Central Institute for Research on Cattle (CIRC), Meerut Cantt, for collaboration to promote student training and quality postgraduate and Ph.D. research in cutting-edge areas of cattle research on October 21, 2024. The agreement was signed by Dr. Niteen V. Patil, Hon'ble Vice-Chancellor of MAFSU, and Dr. Ashok Kumar Mohanty, Director- ICAR- CIRC, Meerut Cantt.



MoU between NVC, Nagpur, and Immeureka Animal Health Pvt Ltd, Secunderabad

12. MoU between MAFSU, Nagpur and Annasaheb Shinde Foundation, Mumbai

Maharashtra Animal & Fishery Sciences University (MAFSU), Nagpur, and Annasaheb Shinde Foundation Agro and Social Development, Mumbai, signed an MoU on 13th November 2024 to strengthen collaborative initiatives in Animal Husbandry. The cooperation focuses on the propagation and conservation of indigenous Gaolao cows for sustainable rearing in mixed farming systems. It further aims to evaluate the economic feasibility of rearing indigenous livestock breeds such as Gaolao cows, Zalawadi goats, and Dakhani sheep, along with an in-depth assessment of the Zalawadi goat value chain in Maharashtra to develop business plans for Farmer Producer Companies (FPCs).



MoU Signed Between MAFSU and Annasaheb Shinde Foundation

13. MoU between Mumbai Veterinary College and Centre for People's Collective (CPC) Nagpur

Memorandum of Understanding (MoU) was signed between Maharashtra Animal and Fishery Sciences University (MAFSU) and Centre for People's Collective (CPC) Nagpur on 19th December 2024. The event was graced by the esteemed presence of Dr. Niteen V. Patil, Hon'ble Vice-Chancellor, Dr. Nitin Kurkure, Director of Research, Dr. Anil U. Bhikane, Director of Extension Education, and other distinguished professors of MAFSU. Representing CPC was



Signing of MoU between MAFSU & CPC, Nagpur



Director Shri Sajal Kulkarni, along with pastoral community members This collaboration signifies a new chapter in supporting pastoral communities and their institutions, conserving indigenous livestock breeds, and promoting sustainable livestock practices.

14. MoU between MAFSU, Nagpur and Prompt Equipments Pvt. Ltd., Ahmedabad

Maharashtra Animal & Fishery Sciences University (MAFSU), Nagpur, entered into a memorandum of understanding with Prompt Equipments Pvt. Ltd., Ahmedabad, on 20th January 2025. The MoU aims to promote cooperation, consultancy, and R&D services, leveraging the expertise of MAFSU faculty to develop industry-oriented teaching, training, and research systems. The agreement was formally exchanged during the inaugural session of the National Conference WANACON 2025 at Nagpur Veterinary College.

15. MoU between MAFSU, Nagpur and grinnovate India Limited

Maharashtra Animal & Fishery Sciences University (MAFSU), Nagpur, entered into a Memorandum of Understanding with Agrinnovate India Limited, New Delhi. The collaboration aims to facilitate commercialization of university technologies, address IPR-related matters, and strengthen innovation outreach and industry linkages. The agreement was formally signed by the competent authorities on 18th February 2025.





9. AWARDS/HONOURS/RECOGNITION

9.1 UNIVERSITY/INSTITUTE AWARDS

- Under the visionary leadership of Prof. S. N. Gawande, the University Library of MAFSU, Nagpur, received the prestigious "Best Resource Sharing of CeRA Resources through J-Gate Discovery Platform Award" for the Western Region in 2024. This recognition, awarded among SAUs, CAUs, and Deemed Universities, highlights the library's outstanding efforts in resource sharing and digital access. The award was conferred during the Regional J-Gate@CeRA Training Program held on 12th December 2024 at DBSKKV, Dapoli, organized by Informatics Publishing Limited, Bangalore, in collaboration with the Agricultural Education Division.



Dr. K. U. Tekale, Librarian, COVAS, Parbhani receiving the award on behalf of the University

- During IV Meet of PGIVAS Akola Alumni Association held on 26th December 2024, Dr. Niteen Patil, Hon'ble Vice Chancellor, MAFSU, Nagpur has been honoured with 'Lifetime Achievement Award' for his outstanding contribution in Veterinary Profession.



Dr. N. V. Patil, Hon'ble Vice-Chancellor receiving Lifetime Achievement Award'

9.2 STAFF AWARDS

Faculty of MAFSU received eight fellow awards and three associate Fellow awards from professional societies. Apart from this, MAFSU staff received nine different renowned society awards twenty seven best oral and poster presentation awards eleven MAFSU awards and eleven NGO and other society's awards.

1. Fellow/Associate Fellow Awards

- **Dr. A. P. Dhok**, Professor, Department of Animal Nutrition and **Dr. M. M. Kadam**, Professor, Department of Poultry Science, were both conferred the Fellow of the Animal Nutrition Association by the Animal Nutrition Association, IVRI, on 20th January 2025.
- **Dr. R J. Zende**, Professor and Head, Department of Veterinary Public Health, Mumbai Veterinary College, received the Fellow Award of the Association of Public Health Veterinarians (APHV) on 20th February 2025 in recognition of his significant contribution to the advancement of Veterinary



Public Health. He was subsequently conferred the Fellow Award of the National Academy of Veterinary Sciences (NAVS-India), New Delhi, on 8th March 2025.

- **Dr. S. N. Rindhe**, Associate Professor, Department of LPT, COVAS, Parbhani received Prestigious AMST Fellow Award-2024 in VII Annual Convention of the Association of Meat Scientists and Technologists (AMST) held at Veterinary College Bengaluru (KVAFSU) during 21st to 23rd, November 2024.
- **Dr. S. W. Bonde**, Professor and Head, Dept. of Veterinary Biochemistry received the Fellow award by the hands of Padma Shri Dr. M. L. Madan, former DDG, Animal Sciences, ICAR during XXXII Annual Conference of SAPI & International Symposium at ICAR-Central Institute for Research on Cattle Grass Farm Road, Meerut Cantt. from 27th to 29th November 2024.
- **Dr. S. H. Dalvi**, Professor & Head, Department of Veterinary Biochemistry, Mumbai Veterinary College, Mumbai conferred with Fellow award of Society of Veterinary Biochemist & Biotechnologist of India during the 8th Annual Convention & National Symposium held at DUVASU, Mathura (UP) from 20th -21st December, 2024.
- **Dr. H. M. Gawande**, Assistant Professor (Dairy Chemistry), CDT, Udgir, was awarded the Associate Fellowship by the National Academy of Dairy Science (India), Karnal, Haryana, at the VIII Convocation of DUVASU, Mathura, in April 2024.
- **Dr. Shubhangi Warke**, Professor and Head, Department of Veterinary Microbiology, NVC, Nagpur, was conferred Associate Fellow of SVSBT during the XI Annual Convention and National Conference of SVSBT held at the College of Veterinary Science, SVSBT, Proddatur, SVVU, AP, from 23rd to 25th October 2024.
- **Dr. M. M. Kadam**, Professor of Poultry Science, was named Associate Fellow of the National Academy of Veterinary Sciences, New Delhi, in Bangalore in February 2025.



Dr. S. W. Bonde receiving the Fellow Award by the hands of Padma Shri Dr. M. L. Madan



Dr. S. H. Dalvi conferred with Fellow award of SVBBI



Dr. Atul Dhok receiving Fellow of Animal Nutrition Association



Dr. Mukund Kadam receiving Fellow of Animal Nutrition Association



Dr. R. J. Zende receiving Fellow Award 2025 of APHV during APHVCON 2025



Dr. S. N. Rindhe receiving AMST Fellow Award -2024



Dr. R. J. Zende receiving Fellow Award of NAVS



Dr. Shubhangi Warke receiving Associate Fellow SVSBT,2024

2. Professional Society Awards

- **Dr. S. P. Waghmare**, Professor & Hospital Superintendent, PGIVAS, Akola, **Dr. S. V. Kuralkar**, Professor & University Head, PGIVAS, Akola and **Dr. M. M. Kadam**, Associate Professor and Head, Department of Poultry Science, NVC Nagpur received Outstanding Veterinarian Awards from Maharashtra State Veterinary Council in recognition of significant and outstanding contributions in the Veterinary field on occasion of World Zoonoses Day on 6th July 2024 at Nagpur Veterinary College, Nagpur.
- **Dr. Shubhangi Warke**, Professor & Head, Department of Veterinary Microbiology, NVC, Nagpur, was recognized as Outstanding Lady in the Veterinary Profession by IVA, Lucknow on 17th August



2024. She also received the Best Research Article 2024 Award by SVSBT, Dr. C. M. Singh “Sushruta” Gaurav Ratna Samman 2024 by Pashuprahari, Krantijyoti Savitribai Phule Women's Achiever's Award 2025 for Outstanding Individual Accomplishment & Distinguished Professional Services to the Nation by Pashuprahari, Shyama Singh & Balamati Devi Memorial Award 2025 by IAAVR, and Ahilya Bai Holkar Nari Shakti Puraskar 2025 by Pashuprahari.

- **Dr. S. P. Waghmare**, Professor & Hospital Superintendent, Department of VCC, COVAS, Akola, received the Best Teacher/Academician Award and Alumni Appreciation Award by PGIVAS Akola Alumni Association during 2024.
- **Dr. Gayatri Wankhede**, Hospital Registrar, COVAS, Akola, received the Appreciation Award from VIPM in November 2024.
- **Prof. (Dr.) G. S. Khandekar**, Professor and Head, VSR received the prestigious Federation of Small Animal Practitioners Association of India (FSAPAI) National Award 2024 for One Health at the WSAVA conference held at Mahabalipuram on 16th November 2024.
- **Dr. V. S. Dhaygude** was awarded the IAVP Presidents Appreciation Award / IAVP Best Worker Award at Sher-e-Kashmir University of Agricultural Sciences & Technology, Jammu, Union Territory of Jammu and Kashmir, from 28th to 30th November 2024.
- **Dr. R. J. Zende**, Professor and Head, Department of Veterinary Public Health, Mumbai Veterinary College, received the Kartruttva Gaurav Awards 2025 for Excellence in Veterinary Academic from the Veterinary Practitioners Welfare Association (VPWA), Mumbai, in February 2025.



Dr. S. P. Waghmare receiving Outstanding Veterinarian Award



Dr. S. V. Kuralkar receiving Outstanding Veterinarian Award



Dr. Mukund M. Kadam receiving for Outstanding Veterinarian Award



Dr. Shubhangi Warke receiving Best research article 2024 of SVSBT



Prof. (Dr.) G. S. Khandekar receiving FSAPAI National Award 2024 for One Health at the WSAVA conference



Dr. V. S. Dhaygude receiving IAVP Best Worker Award

3. Conference Awards (Best Paper/Poster Presentation Awards)

- **Dr. Uma Tumlam**, Assistant Professor of the Department of Microbiology, KNP College of Veterinary Science, Shirwal grabbed the best poster presentation award at the National Conference organized by the Indian Association of Veterinary Microbiology (IAVMICON) 2024 during 6th to 7th June 2024 at College of Veterinary and Animal Science, Navania, Vallabh Nagar, Udaipur (Rajasthan).
- **Dr. Gayatri Wankhede**, Assistant Professor, Department of Veterinary Medicine, KNPCVS, Shirwal grabbed first prize in Farm Animal Dermatology Session, third prize in Small Animal Dermatology Oral Session and third prize in Small Animal Dermatology Poster Session and **Dr. G. S. Khandekar**, Professor and Head, VSR, MVC, Mumbai awarded the third prize in the "Practitioner case presentation" category in Third International Conference of IAVD held at Goa during 6th to 9th June 2024.
- **Dr. S.M. Kolangath** bagged first prize in Poster Presentation in seminar on 'Roaring Forward: Effective Actions for Big Cat Conservation' held at Chamarajendra Zoological Park, Mysuru" on 30th July 2024.
- Faculty members from NVC, Nagpur **Dr. Sonali Borkar**, Assistant Professor, Dept. of Veterinary Biochemistry received first prize in both Oral and Poster Presentation, **Dr. Shiny Joy**, Assistant Professor, Dept. of Veterinary Biochemistry and **Dr. Sonal Ingale**, Assistant Professor, Dept. of Veterinary Biotechnology and **Dr. S.M. Kolangath** was awarded First Prize in Oral Presentation during First Annual Conference and National Symposium of Society of One Health Biochemists (SOHB) held at Dept. of Veterinary Biochemistry, Nagpur Veterinary College, Nagpur during 4th to 5th September, 2024.
- **Dr. V. K. Basunathe**, Professor, Department of Veterinary & AH Extension Education, received the Best Poster Award in the 39th IPSACON during November 2024.
- **Dr. S. V. Chopde**, Assistant Professor, Department of Animal Nutrition, received Best Oral and Best Poster Presentation Awards by IAWV, DUVASU, Mathura in November 2024.
- **Dr. S. M. Kolangath**, SMS, WRTC, Nagpur, bagged Best Poster Presentation Awards in 20th Annual Conference of the Indian Association of Veterinary Public Health Specialists and National Symposium organized at Krantisinh Nana Patil Veterinary College, Shirwal, Dist. Satara, from 14th to 15th November 2024.



- **Dr. Smita R. Kolhe**, Associate Professor, Department of Veterinary & AH Extension Education, received the Best Poster Presentation Award at the IAVPHS Conference, KNPCVS, Shirwal on 15th November 2024.
- **Dr. R. J. Zende**, Professor and Head, Department of Veterinary Public Health, Mumbai Veterinary College, received the Best Oral Presentation Award (3rd position) at the Indian Association of Veterinary Public Health Specialists (IAVPHS), KNPCOV, Shirwal, Maharashtra on 14th-15th November 2024.
- **Dr. V. M. Vaidya** and **Dr. R. J. Zende**, Professor, Department of Veterinary Public Health, Mumbai Veterinary College, received the S.P. Singh Best Research Paper Award at the Indian Association of Veterinary Public Health Specialists (IAVPHS), KNPCOV, Shirwal, Maharashtra on 14th-15th November 2024.
- **Dr. S. S. Sole**, Assistant Professor, Department of Pharmacology and Toxicology, received the Best Oral Presentation at ISVPT, Indian Society of Veterinary Pharmacology and Toxicology, College of Veterinary Science and Animal Husbandry, DUVASU, Mathura on 19th-21st November 2024.
- **Dr. M. M. Chopade**, Associate Professor, Department of Animal Genetics & Breeding, College of Veterinary & Animal Sciences, Parbhani received Best Poster Presentation Award in XVIII Annual Convention of ISAGB and National Conference ISAGBCON 2024 organized by Bihar Animal Sciences University, Patna during 21st to 22nd November 2024.
- **Dr. B. N. Ambore**, Professor, Department of VEPM, received the Best Lead Paper Presentation Award at the Fifth Annual Symposium and International Conference of Veterinary Internal & Preventive Medicine, Meerut, Uttar Pradesh from 22nd-24th November 2024.
- **Dr. S. D. Ingole**, Professor, Department of Veterinary Physiology, MVC, Mumbai, was conferred with Best Oral Presentation Award at 32nd Conference of the Society of Animal Physiologists of India (SAPI) held during 27th-29th November 2024 at ICAR-CIRC, Meerut, UP, India.
- **Dr. G. N. Bhangale**, Assistant Professor, Department of Veterinary Parasitology, COVAS, Parbhani received the Best Oral presentation as well as Best Poster presentation awards at the XX Annual Conference of IAVPHS and National Symposium organized at KNPCVS, Shirwal during 14th to 15th November, 2024. He also received Best Poster presentation award at the XXXIII National Congress of Veterinary Parasitology (NCVP-33) and National Symposium organized at PV Narsinh Rao Telangana Veterinary University, Hyderabad during 17th to 19th December, 2024.
- **Dr. N. R. Dagli** and **Dr. S. M. Gaikwad**, Professors from the Department of Gynecology, Mumbai Veterinary College have received First and Second prizes in the Poster Presentation at the 39th Annual Convention of ISSAR held at GADVASU, Ludhiana during 26th November to 1st December 2024.
- **Dr. K. P. Khillare**, Professor and Head, Department of Animal Reproduction, Gynaecology and Obstetrics, received the Best Poster Presentation Award at the ISSAR Conference, GADVASU, Ludhiana from 29th November to 1st December 2024.
- **Dr. M. N. Rangnekar**, Professor, Department of Animal Reproduction, Gynaecology and Obstetrics, received the Best Poster Presentation Award at the ISSAR Conference, GADVASU, Ludhiana from



29th November to 1st December 2024.

- **Dr. H. Y. Palampalle**, Professor, Department of Veterinary Parasitology, and Dr. J. G. Gudewar, Associate Professor, Department of Veterinary Parasitology, received the Best Poster Presentation Award at IAAVP, National Association, CVSc, Hyderabad on 19th December 2024.
- **Dr. P. D. Jumade**, Assistant Professor cum Sectional Head, Department of Veterinary Parasitology, received the Best Poster Presentation Award at the 33rd National Congress of Veterinary Parasitology and National Symposium during December 2024.
- **Dr. T. C. Shende**, Associate Professor, Department of Animal Genetics and Breeding, KNPCVS, Shirwal, received the two Best Poster Presentation Awards at the National Symposium & XXII Annual Convention, SOCDAB-2025, Dept. of AGB, Veterinary College, KVAFSU, Bengaluru on 21st-22nd January 2025.
- **D. S. Kale** received the Poster Presentation Award, First Position at the National Symposium & XXII Annual Convention of SOCDAB in January 2025.
- **Dr. M. R. Jawale**, Assistant Professor, Department of Animal Nutrition, received the Best Lead Paper and Best Oral Presentation Awards at IAAVR, ACVM Jaipur in February 2025.
- **Dr. V. M. Dhoot** received the Oral Presentation Award at ISVM and SKUST, Jammu, J&K in 2025.
- **Dr. G. M. Gadegaonkar**, Professor, Department of Animal Nutrition, COVAS, Udgir, received the Poster Award in WANACON-2025 by the Department of Animal Nutrition, NVC, Nagpur and Animal Nutrition Association, Izatnagar at NVC, Nagpur during January 2025.
- **Dr. V. K. Basunathe**, Professor, Department of Veterinary & AH Extension Education, received the Best Poster Award at WANACON 2025 in January 2025.
- **Dr. S. D. Kalyankar** received the First Prize, Best Poster Award during the National Conference at Hingoli on 25th January 2025.



Dr. V. M. Dhoot receiving Best Oral Presentation Award at ISVM



Dr. V. M. Dhoot receiving Best Oral Presentation Award at ISVM



Dr. Shital Chopde receiving Best Oral & Best Poster Presentation Awards at IAWV)



Dr. Shiny Joy receiving first prize in oral presentation



Dr. G. N. Bhangale receiving Best Oral & Best Poster Presentation Awards at NCVP



Dr. Gayatri Wankhede receiving three prizes during IAVD conference



Dr. M. R. Jawale receiving Best Oral Presentation Award at IAAVR



Dr. M. M. Chopade receiving Best Poster Presentation Award at ISAGBCON 2024

4. MAFSU Awards

- **Dr. Suneet Wankhede**, Professor, Animal Nutrition COVAS, Parbhani was conferred with the The Best Teacher Award-2024.
- **Dr. Shailesh Ingole**, Associate Dean, MVC, Mumbai was conferred with the Best Researcher Award-2024.
- **Dr. Sariput Landge**, Professor, Veterinary and A.H. Extension Education, NVC, Nagpur was conferred with the Best Extension Officer Awards for the year 2023.
- **Dr. Vaishali Banthiya**, Associate Professor, Veterinary and A.H. Extension Education, NVC, Nagpur was conferred with the Best Extension Officer Awards for the year 2024.



- **Dr. V. M. Vaidya and Dr. Ravindra J. Zende**, Professor and Head, Department of Veterinary Public Health, Mumbai Veterinary College, received the MAFSU Best Research Publication Award from MAFSU, Nagpur on 3rd December 2024.
- **Shri. Praveen Bagde** was honored with the Best Officer Award.
- **Shri. Bhimrao Patil** from the COVAS, Akola was honored with the Best Employee Award.
- **Dr. N. K. Jogdand** and others of MVC, Mumbai received the Best Research Article Award.

5. Other NGO & Society Awards

- **Dr. M. S. Bawaskar**, Professor, Department of Animal Reproduction, Gynaecology and Obstetrics, NVC, Nagpur, received the Dr. C. M. Singh National Award of Excellence for the year 2024.
- **Dr. M. S. Bawaskar** was also conferred the Dr. B. R. Ambedkar “Vet for Nation Award” 2024 and the Kranti Jyoti Savitribai Phule Women Achievers Award.
- **Dr. Deepashree N. Desai**, Head & Assistant Professor, Department of Poultry Science, Mumbai Veterinary College received 'Prof. G. Devegowda Poultry Science Excellence Award 2024' in recognition of her significant and outstanding contributions in the field of Poultry Science on the occasion of the World Veterinary Day on 27th April 2024 by Pashudhan Praharee.
- **Dr. P. V. Yeotikar**, I/c Professor of Veterinary Biochemistry, College of Veterinary & Animal Sciences, Parbhani received Distinguished Teacher-Researcher Award for the year 2024 for his significant contribution in the field of animal healthcare from Senior Veterinary Foundation, Pune, at the hands of Medha Kulkarni, Rajya Sabha member on 16th June 2024 at Pune.
- **Dr. Sainath Bhokare**, Assistant Professor of Livestock Production and Management received the prestigious Dr. APJ Abdul Kalam Lifetime Achievement National Award at International Institute for Social and Economic Reforms, Bengaluru on 29th June 2024.
- **Dr. Uma M. Tumlam**, Assistant Professor, Department of Veterinary Microbiology, KNP College of Veterinary Science, Shirwal received Best Teacher Award from Indian Veterinary Association on 17th August 2024 in Vet Icon Award 24 at Lucknow.
- **Dr. Deepashree Desai**, Head Department of Poultry Science, Mumbai Veterinary College, received the most prestigious national CLFMA Award 2024 at the hands of Mr. Rajiv Ranjan Singh, Hon. Minister of Animal Husbandry and Dairying, GOI in 65th National Symposium of CLFMA at Goa on 20th September 2024.
- **Dr. P. V. Patil**, Farm Manager and **Dr. M. K. Patil**, Assistant Professor, COVAS, Udgir received third prize for the popular article writing competition for the article entitled “Managerial practices to improve milk quality in India” organized on the occasion of 'World Milk Day-2024' by Vet Farm Frontier e-magazine & newsletter.
- **Dr. P. V. Patil**, Farm Manager, COVAS, Udgir received Jivhala Puraskar for the extension work and guidance to farmers on 4th December 2024 at Udgir organized by Jivhala Group, Udgir.
- **Dr. V. S. Dhaygude**, Professor, Department of Veterinary Pathology, was awarded a Visiting Professorship at the Faculty of Veterinary Science, University of Messina, Italy in March 2025.



- **Dr. S. R. Warke**, Professor & Head, Department of Veterinary Microbiology, NVC, Nagpur, was recognized as the Best Researcher in Veterinary Medicine 2025 by VDGOD Professional Association, India.
- **Dr. A. P. Dhok**, Professor, Department of Animal Nutrition, Nagpur Veterinary College received “Best Teacher Award” from PGIVAS, Akola Alumni Association for his outstanding contribution in teaching, research and extension. The award was conferred on 26th December 2024 at the Hands of Dr. Niteen Patil, Hon’ble Vice Chancellor, MAFSU; Dr. Umeshchandra Sharma, Hon’ble President VCI; Dr. Sharad Gadakh, Hon’ble Vice Chancellor, Dr. PDKV, Akola and other dignitaries.



Dr. Deepashri Desai receiving the CLFMA Award



Dr. P. V. Yeotikar receiving Best Teacher and Researcher award from SVF, Pune



Dr. A. P. Dhok receiving Best Teacher Award from PGIVAS, Akola Alumni Association



Dr. Sainath Bhokare receiving Dr. APJ Abdul Kalam Lifetime Achievement National Award

9.3 STUDENTS AWARD

- **Parth Gaikwad**, 2nd Year BVSc. & AH student of Mumbai Veterinary College bagged second prize in national level Ideathon competition on topic “Strategic measures to control ticks” conducted by IEDC, KVASU, Kerala under the valuable guidance of Dr. Jagdish Gudewar, Dept. of Parasitology, MVC, Mumbai.
- **Dr. Rutuja Sawant** and **Dr. Harshal Patil**, students of Department of VSR, MVC, Mumbai were awarded with 'Rajbanshi Devi award' in the national level essay writing competition and 'Shri Awadesh Kumar Singh Memorial Award' for Best Popular Article writing competition respectively which was organized on the occasion of the World Veterinary Day on 27th April 2024 by Pashudhan Praharee.



- **Sujata Bhatkar** received the Best Oral Presentation Award at IAVMI, Udaipur during June 2024.
- Final year students of Mumbai Veterinary College namely, **Ms. Janvi Thakkar, Tanisha Gawali, Samir Gokhale, Bhavya Pokharna, Sharavari Datye, Souparno Bakshi, Nivedi Walsangikar** and **Sumit Gawade** under guidance of **Dr. K. H. Ingole** won First Prize in Clinical Cardiology Case Presentation and Second Prize in Echocardiography in Small Animals case presentation, respectively in International Conference and Clinical Conclave in Veterinary Cardiology and Interventional Medicine held at Madras Veterinary College, Chennai during 14th to 16th October, 2024.
- **Tippa Padmaja** was awarded the Best Oral Presentation Award during the IAVPHS Conference in November 2024. In the same conference, **Rucha Salodkar** and **Gayatri Jayaraj** were also conferred with the Best Oral Presentation Awards.
- **Dr. Korsapati Yoshitha** and **Dr. Mandakranta Bhuyan**, M.V.Sc. students from the Department of Veterinary Physiology, MVC, Mumbai guided by **Dr. S. D. Ingole**, were declared winners of the J P Mittal Best M.V.Sc. Thesis Award and Kamala Madan Young Scientist Award respectively at 32nd Conference of the Society of Animal Physiologists of India (SAPI) held during 27th -29th November 2024 at ICAR-CIRC, Meerut, UP, India.
- On 22nd January 2025, during WANACON-2025, the World Animal Nutrition Conference held at Nagpur Veterinary College in association with the Animal Nutrition Association, five students **Vidya Aglave, Nakul Ghuge, Yash Garg, Dipasree Das, and Roupesh** were honored with the Best Poster Presentation Awards.
- **Mehak Tikoo** secured the First Prize at the Clinical Case Conference held at Akola in September 2024 and further achieved the Best Oral Presentation Award at the 25th Indian Veterinary Congress organized by IAAVR at Jaipur in February 2025.



Students of NVC, Nagpur received awards during WANACON-2025



Award winners from Mumbai Veterinary College at the International Conference and Clinical Conclave in Veterinary Cardiology





10. VISIT OF DIGNITARIES

- Hon'ble Pankaja Munde, Minister for Animal Husbandry, Environment, and Climate Change, Government of Maharashtra, Dr. Himanshu Pathak, Secretary (Agricultural Research & Education) and Director General, Indian Council of Agricultural Research (ICAR), New Delhi, and Dr. N. Ramaswamy, Secretary, Animal Husbandry, Dairy Development, and Fisheries, Government of Maharashtra visited COFS, Nagpur on 20th January 2025 for inauguration of new building of the College of Fishery Science, Nagpur
- Visit of Dr. Ramaswami N., Hon'ble Secretary Finance, Government of Maharashtra to MAFSU HQ, MAFSU Museum and Embryo Biotechnology Laboratory, Department of ARGO, NVC, Nagpur on 20th December 2024.
- Dr. Himanshu Pathak , Secretary DARE, and DG, ICAR, New Delhi, Dr. H. Y Prasad, Director CICR, Nagpur, Dr. N. G. Patil, Director, ICAR-NBSS & LUP, Nagpur, Dr Sujeet Kumar Shukla. Director in ICAR. ICAR - Central Institute For Research On Cotton Technology (CIRCOT) and Dr. S.K. Roy, Director, ICAR-Agricultural Technology Application Research Institute, Zone-VIII Pune visited KVK, Nagpur on 19th January 2025 to inaugurate KVK building and farmers hostel,



Hon'ble Pankajatai Munde inaugurating the new building of COFS, Nagpur



Visit of Dr. Ramaswami N, Hon'ble Secretary Finance to ETT lab of MAFSU



Dr. Himanshu Pathak, Hon'ble Secretary, DARE & Director General, ICAR, inaugurating administrative building of KVK, Nagpur



- Dr. S. K. Roy, Director, ATARI, Zone-VIII, Pune along with Dr. K. D. Kokate, Former Deputy Director General, ICAR, New Delhi visited the newly constructed building of the Krishi Vigyan Kendra, Dudhburdi, Nagpur on 4th May 2024. Dr. Niteen Patil, Hon'ble Vice-Chancellor, MAFSU, Nagpur, Dr. A. U. Bhikane, Director, Extension Education, MAFSU, Nagpur, Dr. S. W. Bonde, Dean, Fisheries, MAFSU, Nagpur, Dr. Anil Ulemale, Senior Scientist and Head, KVK, Sangli – II along with the university officials were also present during the visit.



Visit of Dr. S. K. Roy, Director, ATARI, Pune and Dr. K. D. Kokate, Former DDG, ICAR, New Delhi to KVK, Nagpur

- Shri Sagar Mehra, Joint Secretary, Department of Fisheries, Government of India has visited freshwater fish farm and finfish hatchery facility of the college of Fishery Science, Nagpur on 24th February, 2025 along with Dr. Bijay Behera, Chief Executive Officer, National Fisheries Development Board, Hyderabad and Shri Kishor Tawde, Commissioner of Fisheries, Government of Maharashtra.



Visit of Shri Sagar Mehra, Joint Secretary, Fisheries to COFS, Nagpur

- Dr. Sanjayji Shinde, Inspector General of Police, Govt. of Maharashtra visited COVAS, Parbhani on 19th April 2024 to guide students regarding carrier development.
- Dr. A. Sangaran, Professor & Head, Parasitology, Madras Veterinary College, Chennai and President IAAVP visited Mumbai Veterinary College, Mumbai on 25th May 2024 and delivered lecture for faculty and students of Veterinary Parasitology.
- Dr. Guido Rugerio Loria (In charge of Histopathology and Immunohistochemistry Lab) and Dr. Roberto Puleio (Director of WOAHP Reference laboratory) visited Department of Veterinary Public Health of Mumbai Veterinary College, Mumbai on 2nd June 2024 under the MoU signed between MAFSU and Istituto Zooprofilattico Sperimentale della Sicilia.
- Dr. Guido R. Loria, Pathologist, WOAHP Reference Laboratory on Contagious Agalactia, IZS, Palermo, Italy, Dr. Vyas M Shingatgeri, President, Indian College of Veterinary Pathologists, Dr. K.S. Prajapati, Former Professor and Head, Department of Veterinary Pathology, COVAS, Anand and Dr. N. Pazanivel, Registrar, Indian College of Veterinary Pathologists visited KNPCVS, Shirwal during 3rd



to 4th June 2024 for Zonal (West) conference of IAVP, Brainstorming Session on 'Emerging Diseases of Livestock and Poultry' and National Workshop of ICVP.

- Hon'ble Director Dr. S. K. Roy, ICAR - ATARI zone -VIII, Pune visited KVK, Thane on 21st June 2024 to take review of ongoing construction work of administrative building and farmers hostel and other activities of KVK for farmers of Thane district.
- Dr. Raghavendra Bhatta, Deputy Director General (Animal Science) ICAR, Artabandhu Sahoo, Director, ICAR-NIANP, Bengaluru, Dr. Manish Kumar Chatli Director, ICAR – CIRG, Makhdoom and Dr. S. B. Barbuddhe Director ICAR National Meat Research Institute, Hyderabad visited NVC, Nagpur to review the progress of WANACON 2025 at NVC, Nagpur during 17th June -18th June 2024.
- Dr Asish K. Bhattacharya, Principal Scientist CSIR-NCL Pune visited KNPCVS, Shirwal on 24th July 2024.
- Dr. John Roel Hilario, OIC-Regional Veterinary Quarantine Officer of Region 6, Philippines and Dr. Evan Ern Delos Santos, Veterinarian, Shri. P. A. Bamane, Asst. Manager, APEDA had visited the Department of Veterinary Public ICAR-Central Institute of Post-Harvest Engineering and Technology, Ludhiana visited MVC, Mumbai on 2nd August 2024 to check Government controls on buffalo meat exports and for visit of the Western Regional Referral Laboratory.
- Mr. Bhamburkar, Police Inspector, Pusad visited CDT, Warud on 12th August 2024 and delivered lecture and guided students in Seminar on Anti-Ragging Rules & Regulation.
- Dr. Akshay Shinde, Nasha Mukti center, Pusad visited CDT, Warud and guided students on Drug Abuse on 14th August 2024.
- Dr. Raghavendra Bhatta, DDG, ICAR, New Delhi visited NVC, Nagpur on 17th August 2024 to look into facilities at Centre for Zoonoses.
- On 20th August 2024, Dr. Stefano Romagnoli, Professor of Animal Reproduction MS, PhD, Dipl. ECAR from University of Padova, Italy visited Mumbai Veterinary College & Animal Hospital, where he interacted with PG & PhD Students and Academic staff members.
- Dr. Ankush L. Kamble, Senior Scientist, ICAR CIFE, Mumbai visited KVK, Thane on 24th August 2024 to take review of ongoing activities of KVK Thane
- Shri Rishikesh Khande, Hon'ble Executive Council Member, MAFSU, Nagpur visited NVC, Nagpur on 26th August 2024 to look into facilities at Centre for Zoonoses.
- Dr. R.K. Vishwakarma, Project Co-ordinator, AICRP on PHET, ICAR-CIPHET, Ludhiana, Punjab visited MVC, Mumbai on 28th August 2024 For attending the Industry-Academia Meet-cum- Workshop 2024 organized at MVC, Mumbai.



- Dr. S. D. Ramteke, Principal Scientist, National Grape Research Center, Pune and his fellow scientist Dr. P. H. Nikumbhe, visited KVK, Sangli II on 28th August 2024 and reviewed the functioning of this Farm Science Center. The farmers who excelled and brought innovative and novel technologies at their farm were felicitated at the hands of the guests.
- Shri Sanjeev Gaur, Chief General Manager of FDCM, visited WRTC, Gorewada on 30th August 2024 to assess the facilities available at the centre.
- Dr. Sanjay Kumar Shukla, Member Secretary of the Central Zoo Authority under the Ministry of Environment, Forest and Climate Change, Government of India visited WRTC, Gorewada on 13th September 2024.
- Dr. Shakir Ali, Principal Scientist, ATARI, Pune and Dr. A. U. Bhikane, Director of Extension Education, MAFSU Nagpur visited newly constructed Administrative Building of KVK and Farmers Hostel which is under construction on 19th September 2024. He appreciated the infrastructure development and also guided about the development of various demonstrations units in the KVK.
- Shri Vivek Khanedkar, APCCF, WL, MS visited WRTC, Gorewada on 25th September 2024 to assess the facilities available at WRTC, Nagpur. He proposed the establishment of a centre of excellence focused on forensics and treatment at WRTC.
- Dr. Hemant Vasekar, Project Director, SMART, Govt. of Maharashtra visited COVAS, Parbhani on occasion of concluding ceremony of training programme under SMART on 3rd October 2024.
- Dr. J. P. S. Gill, Vice Chancellor, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana visited Department of Veterinary Public Health, Mumbai Veterinary College on 5th October 2024. Dr. V. M. Vaidya, Co-PI and Assistant Professor briefed about the activities carried out under AICRP on PHET project and other ICAR-sponsored projects in the department.
- Dr Bhushan Jayarao, Professor of Public Health, Pennsylvania state university USA, Dr. Preejeet, Technical Officer WHO Country Office India, Dr. Mangesh Bhide Professor, Slovak Academy of Sciences Bratislava, Slovakia, Dr Mohan Gupte, Former Director ICMR National Institute of Epidemiology, Chennai, Dr Ashok Kumar, Former ADG (Animal Health), ICAR, New Delhi, Dr. JPS Gill, Hon'ble HVC, GADHVASU Ludhiana, Dr. S. B. Balbuddhe, Director, ICAR, NMRI, Hyderabad, Dr. C. Latha, Director of Academics and Research, KAVASU Kerala, Dr. V. Balamurugan, Principal Scientist, ICAR NIVEDI, Bengaluru and Dr. Syed Dastagir, Principal Scientist CSIR-NCL Pune visited KNPCVS, Shirwal during 14th -15th November 2024 to attend IAVPHS Conference 2024.
- On 9th December 2024, our Goregaon campus had the honor of hosting Thulasimathi Murugesan, the incredible athlete who secured a silver medal for India at the Paris Paralympics! Thulasimathi, a 3rd-year veterinary student from Namakkal, Tamil Nadu, is a true inspiration, showing how passion and perseverance can overcome any challenge.



- Shri. Ajit Singh Patil, Managing Director, Pancham Aquaculture Farms Ltd. Mumbai visited COFS, Udgir on 26th December 2024 and interacted with academic officers about present status and scope of employment in aquaculture in Maharashtra state.
- Central Team to Maharashtra included Dr. B. Anukumar from NIV, Kerala, Dr. Saurabh Goel from IDSP, NCDC, Dr. Sunil Sharma from AiG Wildlife, Dr. Arzoo Meshram, an EIS Officer at NCDC, and members from the Department of Animal Husbandry, including Dr. Nitin Fuke and Dr. Sangita Lonkhande from RDIL, Nagpur visited WRTC, Gorewada during 9th to 10th January 2025 to review Avian Influenza at Gorewada Rescue Centre.
- Dr Pragya Yadav, I/c, Director NIOH visited NVC, Nagpur on 27th December 2024 to look into facilities at Centre for Zoonoses.
- Dr. Avi Deshmukh, International Fellow, Royal Canin, USA visited COVAS, Parbhani to address students regarding advances in pet nutrition on 13th January 2025.
- Central Team including Dr. Santosh M., Deputy Commissioner, AQCS, Mumbai, Dr. Shridevi, ICAR-NIVEDI, Bangalore, Karnataka along with Ms. Vaishali Lonkande, RDIL, Pune visited WRTC, Gorewada on 20th March 2025 to Monitor the preventive protocol undertaken at Rescue Centre regarding Avian Influenza (H5N1) outbreak
- Dr. A. K. Patel, Ex-Principal Scientist, ICAR-CAZRI Jodhpur and ICAR-CSWRI, Avikanagar visited VPH department to acquaint with the modern facilities on 3rd March 2025.
- Capt. Harshita Raghav, the first lady officer from the Remount Veterinary Corps (RVC), marked a historic moment by visiting the 1 Mah R&V Sqn NCC Unit, Stud Farm, and Nagpur Veterinary College (NVC) on 3rd March 2025. The session was meticulously organized by Lt. Shital and was attended by enthusiastic cadets and students of NVC. Her visit was an inspiration to aspiring cadets and veterinary students alike.
- Dr. Hemant Vasekar, Project Director, SMART, Govt. of Maharashtra visited Department of Veterinary Pathology, COVAS, Parbhani on 8th March 2025.
- Dr. S. Nagarajan, Principal Scientist, ICAR - National Institute of High Security Animal Diseases and Dr. G. Venketash Principal Scientist ICAR - National Institute of High Security Animal Diseases visited KNPCVS, Shirwal on 23rd March 2025 for training of scheduled caste farmers on scientific goat farming in Western Maharashtra



Visit of Dr. John Roel Hilario and Dr. Evan Ern Delos Santos, Veterinarian, Shri. P. A. Bamane, Asst. Manager, APEDA during visit to VPH Department of MVC, Mumbai



Dr. N. V. Patil felicitating Dr. R.K. Vishwakarma, Project Co-ordinator, AICRP on PHET, ICAR-CIPHET, Ludhiana, Punjab during Industry-Academia Meet-cum-Workshop 2024



Visit Dr. Stefano Romagnoli to MVC, Mumbai



Thulasimathi Murugesan, interacting with the students



Visit of Capt. Harshita Raghav to 1 Mah R&V Sqn NCC Unit



Visit of Dr. Raghavendra Bhatta, DDG (Animal Science) ICAR to Dept. Of VPH, NVC, Nagpur



Visit of Dr Pragya Yadav, I/c Director NIOH to
Dept. of VPH, NVC, Nagpur



Visit of Shri Rishikesh Khande, Hon'ble EC Member
MAFSU, Nagpur to Dept. of VPH, NVC, Nagpur



11. BUILDINGS AND CONSTRUCTIONS

The Engineering Unit of University is shouldering the responsibility of campus development and maintenance of all campuses of MAFSU spread across the state. This unit is headed by an Executive Engineer deputed by the state government from Public Works Department.

The infrastructural development wing in the University has successfully completed the work of Rs. 2566.23 lakhs and is handling the ongoing development works worth Rs. 81586.46 lakhs during 2024-25. The major ongoing works included construction of New College of Veterinary and Animal Sciences, Akola, Construction of Administrative building and Campus building for New College of Veterinary and Animal Sciences, at Mauza Savli Vihir kh. Shirdi, Tal. Rahata Dist. Ahmadnagar, Construction of College building at Goregaon Mumbai Veterinary College Mumbai, Construction of Administrative building at Dairy Technology College, Udgir, Dist. Latur and Repair & Renovation of old Building at Parel, M.V.C. Mumbai.

11.1 COMPLETED WORK

Sr. No.	Particulars of work	Total Cost (INR in Lakh)	Funding Agency
MAFSU HQ			
1	Renovation and Repairs of Dean (Dairy tech.) cabin and comptroller cabin at MAFSU, Nagpur	2.63	URR
2	Furniture Arrangement of Skill Development Centre for MAFSU, Nagpur	28.00	URR
3	Fabrication and Renovation Work Old Compound wall Skill Dev. Center at Mouza Telankhedi, Nagpur	9.42	URR
4	Providing and Erecting fix knot fencing for Agro-Horti sillipasture system in survey no. 31/1 for MAFSU Nagpur.	9.34	URR
5	Providing & Installing Air Coditioner in conference hall and Auditorium hall at Administrative building MAFSU, Nagpur	9.85	URR
6	Furniture arrangement of Skill Development center at MAFSU, Nagpur	31.25	ICAR/ URR
7	Providing & Installing of CCTV Surveillance system at Library building MAFSU, Nagpur	4.89	URR
8	Providing electing of Tensile Fabric, Structure on Terrace floor area at HVC Residence & Office at MAFSU, Nagpur	1.79	URR
9	Providing and Installing Air Conditioner in VIP Suit at Farmer hostel, DET building, MAFSU, Nagpur	3.18	URR
10	Upgradation of CCTV Surveillance System Telephone wiring at Administrative building MAFSU, Nagpur	6.63	URR
11	Repair for existing bituminous bound macadam road at MAFSU, Nagpur	30.04	URR



Sr. No.	Particulars of work	Total Cost (INR in Lakh)	Funding Agency
12	Providing and fixing of conference table for Skill Dev. Centre HVC anti chamber and Residence cum office for MAFSU, Nagpur	5.88	URR
13	Providing and Installing and commissioning Video Conferencing Camera and Interactive panel in HVC office at MAFSU, Nagpur	6.97	URR
14	Providing & Installing of water cooler and water purifier at Farmers Hostel Museum building MAFSU, Nagpur	2.44	URR
NVC, Nagpur			
15	Repair work for UG Hostel at Nagpur Veterinary College, Nagpur	28.20	URR
16	Renovation of C. O. Quarter for Nagpur Veterinary College, Nagpur	9.95	URR
17	Repair and Renovation work in feed factory for CBF, NVC, Nagpur	9.59	URR
18	Strengthening of existing college building premises Road with bituminous macadam at NVC Nagpur.	38.02	URR
19	Providing and laying Drain pipe line with septic tank for 6 No. Qtr & 2 No. Qtr at NVC Nagpur	9.79	URR
COVAS, Parbhani			
20	Maintenance work at old Gymnasium building waterproofing work of Microbiology dept. & Repairs of ceiling of lecture hall no. 04 at COVAS, Parbhani	8.37	URR
21	Repair Work of Boys Hostel for College of Veterinary & Animal Sciences, Parbhani	49.79	CRR
COVAS, Udgir			
22	Uplifting of Poarch area for A Building at COVAS Udgir, Dist. Latur	9.66	URR
23	Renovation of Boys Hostel for College of Veterinary & Animal Sciences, Udgir	50.00	CRR
KNPVC, Shirwal			
24	Construction of Boys & Girls Hostel building and substation at KNPVC Shirwal Dist. Satara	73.82	URR
25	Renovation of Electrical Installation of Boys & Girls Hostel building and substation at KNPVC Shirwal		
26	Renovation of toilet for existing Boys & Girls hostel at KNPVC Shirwal	44.56	URR
27	Renovation of Electrical Installation of Boys and Girls Hostel building and substation at KNPVC Shirwal	17.82	URR
COVAS, Akola			
28	Construction of Boys hostel building at PGIVAS, Akola	415.82	URR/CRR
29	Electrification of Boys hostel building at PGIVAS, Akola		



Sr. No.	Particulars of work	Total Cost (INR in Lakh)	Funding Agency
30	Providing Furniture for Boys hostel building at PGIVAS Akol	18.35	URR
CDT, UDGIR			
31	Repair work at Existing shed of College of Dairy Technology, Udgir Dist. Latur	16.14	URR
COFS, Nagpur			
32	Construction of Administrative building for College of Fishery Science, Nagpur	566.57	State Govt. Fund/ URR
33	Providing EI, EPABX, Networking & CCTV System to Proposed Construction of College of Fishery Science Building, Nagpur		
34	Providing Lowering & laying unplasticised PVC Pipes from futala lake in fishery tanks at COFS Nagpur	3.57	URR
35	Providing furniture for administrative building for COFS Nagpur	33.81	URR
KVK, Work			
36	Construction of Administrative building at Krushi Vigyan Kendra, Dudhburdi, Th.- Kalmeshwar, Distt.- Nagpur	387.96	ICAR/ URR
37	Providing EI work with fire fighting arrangement Administrative building at Krushi Vigyan Kendra, Dudhburdi, Th.- Kalmeshwar, Distt.- Nagpur		
38	Construction of Administrative building at Krushi Vigyan Kendra, Mauza- Tadsar, Distt.- Sangli	399.62	ICAR/ URR
39	Construction of Farmer Hostel building at Krushi Vigyan Kendra, Dudhburdi, Th.- Kalmeshwar, Distt.- Nagpur	222.51	ICAR/ URR
40	Providing EI work with firefighting arrangement for Farmer Hostel building at Krushi Vigyan Kendra, Dudhburdi, Th.- Kalmeshwar, Distt.- Nagpur		
	Total	2566.23	

11.2 ONGOING WORK

Sr. No.	Particulars of work	Total Cost (INR in Lakh)	Funding Agency
MVC, Mumbai			
1	Construction of College building at Goregaon Mumbai Veterinary College, Mumbai	6871.00	State Govt. Grant. (Plan)
2	Repair & Renovation of old building at Parel, MVC, Mumbai.	8914.00	State Govt. Grant. (Plan)
3	Construction for boys hostel for 300 students at Goregaon campus, MVC, Mumbai.	2013.72	State Govt. Grant.



Sr. No.	Particulars of work	Total Cost (INR in Lakh)	Funding Agency
NVC, Nagpur			
4	Construction of compound wall behind Library building at NVC Nagpur.	68.24	URR
5	Construction of compound wall at Veterinary Hospital, NVC Nagpur.	127.72	CRR/URR
COVAS, Parbhani			
6	Construction of Guest House, College of Veterinary & Animal Sciences, Parbhani.	293.00	CRR
7	Renovation of C. O. Quarter for Nagpur Veterinary College, Nagpur		
COVAS, Udgir			
8	Construction of VIP Guest House (2 VIP & 4 Ordinary Suits) in premises of College of Veterinary & Animal Science, Udgir.	335.00	State Govt. Grant
KNPVC, Shirwal			
9	Construction of Boys Hostel at KNPVCS, Shirwal.	1592.00	State Govt. Grant. (Plan)
10	Construction of Compound wall on boundry of Gat no. 238 at KNPVC Shirwal Dist. Satara.	97.72	CRR / URR
COVAS, Akola			
11	Construction of New College of Veterinary and Animal Sciences, Akola	24941.00	State Govt. Grant. (Plan)
CDT, Udgir			
12	Construction of Administrative building at Dairy Technology Udgir, Dist. Latur.	5918.00	State Govt. Grant. (Plan)
COVAS, Savli vihir, Shirdi.			
13	Construction of Administrative building and Campus building for New College of Veterinary and Animal Sciences, at Mauza Savli Vihir kh. Shirdi, Tal. Rahata Dist. Ahmadnagar.	29749.00	State Govt. Grant. (Plan)
KVK, Work			
14	Construction of Farmer Hostel building at Krushi Vigyan Kendra, at Gat no. 385 Nagaon Tal. Murbad, Dist. Thane for MAFSU, Nagpur.	184.40	ICAR/ URR
15	Construction of Administrative building at Krushi Vigyan Kendra, at Gat no. 385 Nagaon Dist. Thane.	249.74	ICAR/ URR
16	Construction of Farmer Hostel building at Krushi Vigyan Kendra, Th. - Kadegaon Distt.- Sangli.	231.92	ICAR/ URR
Total		81586.46	

ICAR- Indian Council of Agricultural Research, URR- University Revenue Receipt, CRR- College Revenue Receipt.





12. ACCOUNTS AND FINANCE

The University receives financial assistance from different sources viz. State Government, Government of India, ICAR etc. The State Government provides grants for Salary and Pension that is entirely utilized for payment of salaries and pension. Apart from this, the State Government provides contingency grant that is utilized for developmental activities and for supporting the teaching, research and extension activities of the University. The University generates revenue through different activities which is utilized for developmental activities, strengthening the facilities and for supporting the teaching, research and extension programmes of the constituent colleges. The grants received through external funding are largely for specific research/ extension projects and are utilized for execution of research/ extension projects sanctioned by the external funding agencies.

Internal Resource Generation

The University headquarter together with its constituent colleges have been able to generate sizeable financial resource through different activities viz. Educational fees of the students, Sale of agricultural produce, Sale of fodder, Sale of fodder seed and stumps, Sale of birds, Sale of eggs, TVCC Services, Diagnostic Services, Sale of milk and milk products, Sale of fish, Sale of fish seed, Sale of livestock, Consultancy services, Trainings for different stake holders, Clinical products, Toxicopathology studies, Validation of products etc.

12.1 STATE GOVERNMENT GRANTS FOR THE YEAR 2024-25 (INR IN LAKH)

Sr. No.	Particulars	Amount Received	Expenditure
A	Non Plan		
1	Salary	15536	15536
2	Pension	5003	4856
3	Contingency	280	280
Total Rs.(A)		20819	20672
B	Plan		
1	Mafsuarth/ MahaIT	2239	2239
2	Works	10812	10812
Total Rs.(B)		13051	13051
Total Rs. (A+B)		33870	33723

12.2 EXTERNAL FUNDING (INR IN LAKH)

(Grants received from ICAR, New Delhi/Central/State Govt/ Other agencies)

The University received funding of Rs. 710 lakhs from ICAR for education, AICRP,KVK and other schemes sponsored by ICAR. A grant of Rs. 183 lakhs were also received from sponsoring agencies like



ICMR and other agencies while State Government also provided grants of Rs. 476 lakhs for implementation of projects through MAVIM and SMART projects.

Sr.No.	Particulars	Amount Received	Expenditure
A. ICAR funding			
1	Education Division	278	261
2	AICRP	68	51
3	KVK	211	211
4	Other ICAR support	153	150
	Total	710	673
B. Central Funding			
1	ICMR	161	159
2	Other	22	22
	Total	183	181
C. State Government funding			
1	SMART	63	63
2	MAVIM	178	178
3	Any other	235	235
	Total	476	476
	TOTAL Rs. (A+B+C)	1369	1330

12.3 FUNDING FROM PRIVATE AGENCY (INR IN LAKH)

The University received Rs. 79 lakhs from various private agencies for small projects like clinical trials, feed trials etc.

Sr.No.	Particulars	Amount Received	Expenditure
1	Private Agency Schemes	79	79
	Total	79	79

12.4 UNIVERSITY RECEIPT (INR IN LAKH)

The University generated receipt of Rs. 2397 lakhs from the educational fees, sale of farm produce like milk, eggs, fodder stumps, compost and animals etc.

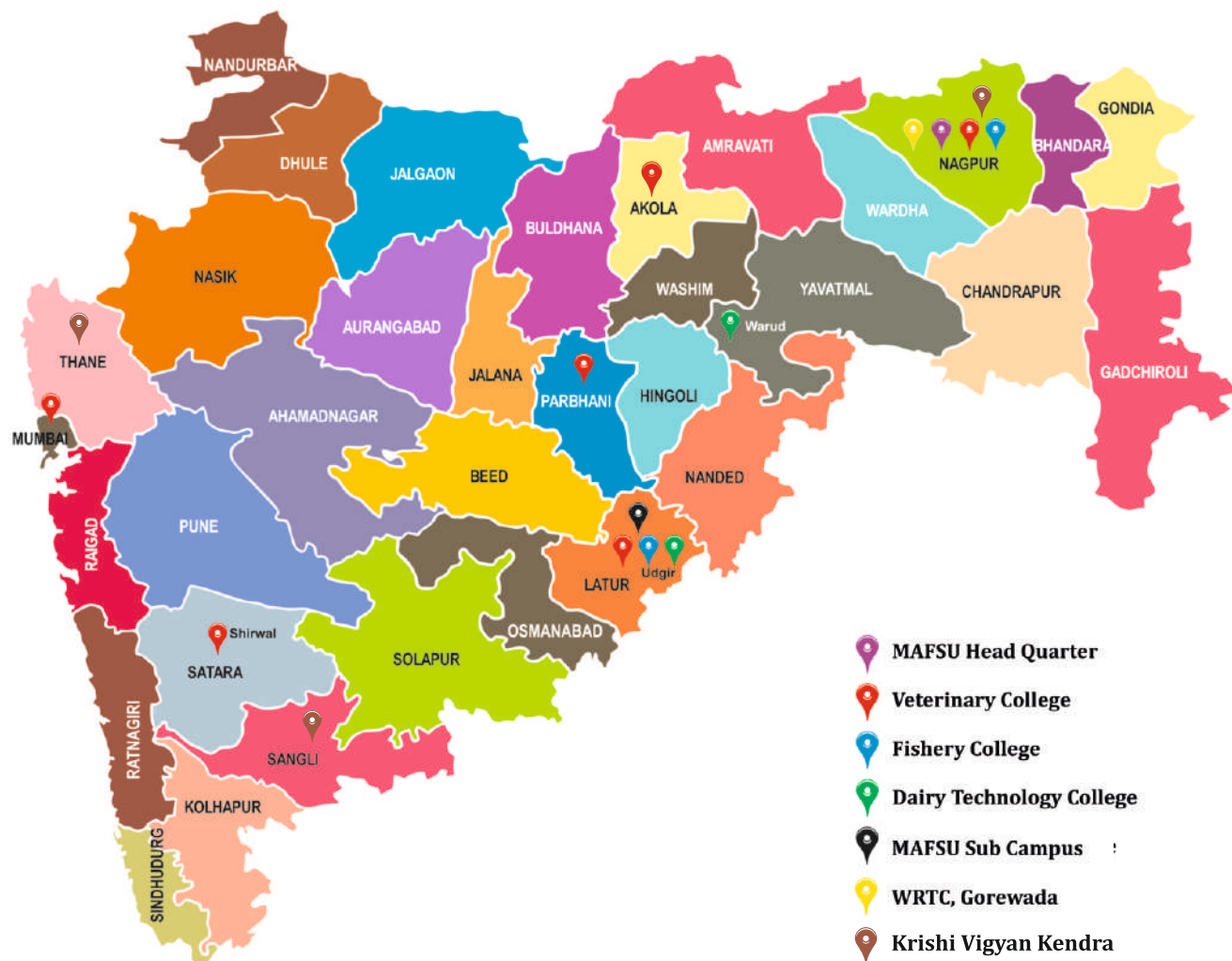
Sr.No.	Particulars	Amount Received	Expenditure
1	University Receipt	2397	2319
	Total	2397	2319



12.5 ALLOCATION OF FUNDS FOR OFFICE EXPENDITURE, EDUCATION, RESEARCH AND EXTENSION (INR IN LAKH)

Sr No.	Name Of Institute	Office Expenditure	Education	Research	Extension	Total Expenditure
1	MVC, Mumbai	183	104	72	43	402
2	NVC, Nagpur	358	66	0	0	424
3	COVAS, Udgir	25	67	57	57	206
4	COVAS, Parbhani	48	72	52	50	222
5	KNPCVS, Shirval	97	62	26	8	193
6	PGIVAS, Akola	22	22	22	23	89
7	CDT, Warud	109	1	1	1	112
8	CDT, Udgir	44	5	2	2	53
9	COFS, Nagpur	53	23	1	0	77
10	COFS, Udgir	29	12	0	4	45
11	CBF, Bor. Manju	19	0	4	0	23
12	CBF, Nagpur	46	0	0	0	46
13	CBF, Igatpuri	15	0	0	0	15
14	CBF, Udgir	4	3	2	2	11
15	Sub Centre Udgir	4	2	1	1	9
16	HQ MAFSU Nagpur	392	0	0	0	392
	Total	1448	439	241	191	2319





MAHARASHTRA ANIMAL AND FISHERY SCIENCES UNIVERSITY NAGPUR

Futala Lake Road, Nagpur - 440 001, Maharashtra

Phone : 0712-2511784 / 2511785 Email : registrar@mafsu.ac.in Web : www.mafsu.ac.in

Toll Free No. 1800-233-3268