P.V. NARSIMHA RAO TELANGANA VETERINARY UNIVERSITY

5th Convocation

19th September 2025, 10:00 AM

Rajendranagar, Hyderabad-500 030,
Telangana
www.pvnrtvu.ac.in

Prof. M. Gnana Prakash, Vice-Chancellor, PVNRTVU meeting the Hon'ble Governor and the Hon'ble Chief Minister of Telangana

Shri Jishnu Dev Varma
Hon'ble Governor of Telangana & Chancellor of
P. V. Narsimha Rao Telangana Veterinary University

Shri Anumula Revanth Reddy
The Hon'ble Chief Minister of Telangana

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WELCOME ADDRESS AND PROGRESS REPORT

Prof. M. GNANA PRAKASH

VICE-CHANCELLOR, PVNRTVU, HYDERABAD

Good morning everyone!

Hon'ble Governor of Telangana and Chancellor of the University, **Shri Jishnu Dev Varma garu**, Distinguished Chief Guest, **Dr. Meenesh Shah garu**, Chairman and Managing Director, National Dairy Development Board, Anand, Members of the Board of Management and the Academic Council, Present and Former University Officers, Distinguished Scientists and Teachers from various ICAR institutes and Universities, Endowment donors, invited guests, Faculty, Graduating Students, Parents, Media persons and Ladies and Gentlemen.

I am privileged to be at the podium this morning and welcome you all to this fifth Convocation. At the outset, I congratulate the graduating

students. This is a memorable day and a significant milestone in your life. I am sure you all are excited and eagerly waiting to build your careers. I also congratulate the parents and faculty for their efforts. My special appreciations to gold medal winners.

It is an honour to have Shri Jishnu Dev Varma garu as the Chancellor, who has always been a source of strength for this University. The kind of affection showered and the cooperation extended by him in the hour of need is outstanding. Chancellor Sir, we welcome you to this convocation and I am sure the young graduates will be inspired by your gracious presence.

I am delighted with the presence of distinguished chief guest, **Dr. Meenesh Shah**, Chairman and Managing Director, National Dairy Development Board. Though he doesn't need any introduction, it is my duty to introduce the chief guest to this august gathering.

Dr. Meenesh Shah has an illustrious career of 40 years in the Dairy sector. He has been a visionary leader and a key proponent of innovations for taking up farmer centric interventions. In the past few years, several path breaking innovations such as indigenous cost-effective sex sorted semen 'GauSort', genomic selection with the indigenous 'GauChip' to

name a few, have been materialized under his leadership. Dr. Shah has been providing leadership to several Institutions as its Chairman which include Mother Dairy, National Cooperative Organics Limited, Indian Immunologicals, Pristine Biologicals and several sister concerns of NDDB which are furthering the objectives of NDDB in bringing about prosperity in the lives of farmers. Dr. Shah is on the Governing Councils of several premier institutions in India and abroad. Dr. Shah has received several accolades for his exemplary contribution to the dairy sector which include - Doctor of Science from Kamdhenu University, Dr. Kurien Award, IDF Prize of Excellence and "Visionary Leadership Award".

He is also the Member Secretary of Indian National Committee of International Dairy Federation. He spearheaded successful organisation of World's largest Dairy Conference IDF-WDS 2022 in India which was graced by the Hon'ble Prime Minister and other Union Ministers. Dr. Shah has been representing Indian Dairy Sector at several International Fora suitably showcasing and positioning our Small Holder based Dairying System. Further he has been playing an important role in taking Indian Dairy Sector to the similarly placed countries like Sri Lanka, Kenya etc. Dr. Shah has taken a leadership role in making Indian dairy sector more sustainable & inclusive.

I welcome all the dignitaries, invited guests, members of academia, staff, students and their parents, press and all of you to this fifth convocation. In this convocation, a total of 524 students who have graduated during the years 2023 and 2024 are being conferred with degrees under the faculties of Veterinary, Dairy and Fishery Sciences. Of them, 439 are graduates, 69 are post-graduates and 16 are doctorates. 18 students are being presented with 25 gold medals. Two teachers are also being awarded the University meritorious teacher award for the years 2023 and 2024.

I am happy to share that this budding University in its 11 years of existence has made some rapid strides, established two new colleges – College of Veterinary Science at Mamnoor, Warangal and College of Fishery Science at Pebbair and is in the process of establishing another new College of Veterinary Science at Kodangal. These years also witnessed significant institutional developments with several corporates supporting the University under corporate social responsibility. Dodla Dairy, Hyderabad extended a support of Rs. 4.00 Crores for strengthening and extension of main building of College of Dairy Technology, Kamareddy. Tata Boeing Aerospace and Tata Sicor Sky have entered in to long term association with this University. They helped in upgrading surgical operation theatres and

provided ophthalmology equipment. They have also arranged capacity building of faculty at Aravind Eye Hospital, Chennai which helped the University in providing advanced health care to farm and companion animals. Axis Bank has supported establishment of animal blood transfusion unit at this campus, the first of its kind in the state of Telangana. Indian Immunologicals Ltd. has provided the College of Veterinary Science, Mamnoor with animal ambulance. University acknowledges their support and thanks them for the generosity.

Adequate number of teachers is essential for robust growth of any University and I am happy to note that the University has inducted 51 teachers in the recent past and all of them are provided with foundation course to orient them towards the mandate of the University.

Academic excellence of students serves as a testimony to the strength of the University. Several U.G students secured Junior Research Fellowships and are pursuing higher studies at various institutions across the country. Dr. Mane Uttam Rao received Best Ph.D. Thesis Award at International Conference on climate change held at NAU, Navasari during the year 2023. Students have won accolades at various conferences, quiz and clinical case competitions etc. Mr. Manish and Varaprasad won second prize in

the National Dairy Products Judging Competition held at SMC College of Dairy Science, Anand, Gujarat. Prakash Bishnoi of College of Veterinary Science, Korutla was awarded silver medal by the Hon'ble Governor of Telangana for essay writing during the G20 competitions. He and his peers also excelled in Hindi elocution, essay writing, poster presentations, and poetry competitions at the district and state levels. At the national level, P. Shashank Reddy and his team from Korutla won first prize in the *1st National Clinical Case Competition* held at Banaras Hindu University on the occasion of World Veterinary Day 2024. M. Prashant Kumar, Vagdevi Priya Bhavani and S. Keerthi Reddy from Rajendranagar secured top prizes for poster presentations at the Indian Science Congress Association's National Conference. Dr. Renushe Akshata received the Best M.V.Sc. Thesis Award and Best Poster Award, while Dr. D. Hanuman earned awards for Best Poster and Best Oral Presentations in ISVPT conference. Dr. Ashwini, MVSc student, was awarded the 2nd Best Oral Presentation at the Indian Pancreas Club meeting.

I am happy to note that graduates of all the faculties are employed to the maximum extent. College of Dairy Technology, Kamareddy, achieved a remarkable distinction of 100% student placement, with all the graduates

recruited by reputed dairy companies at an average annual package of ₹5 lakh per annum.Veterinary graduates are employed in academia, industry and service domains. Several vets are excelling in clinical practice with high reputation both in India and abroad.

Teachers of this University, who are the drivers of academic activity in the University, have themselves won certain awards and I am delighted to share their achievements

Government of Telangana has conferred Meritorious Teacher Award on Dr. N. Nalini Kumari, Professor of Animal Nutrition and Dr. D. Sreenivas, Professor of Animal Genetics & Breeding for the year 2023 and on Dr. M. Udaya Kumar, Professor of Veterinary Parasitology and Dr. D. Madhuri, Professor of Veterinary Pathology for the year 2024. Dr. B. Anil Kumar received German Patent (A61K31/4375) for developing a system to evaluate the protective effect of vincamine against LPS-induced Acute Lung Injury. Dr. M. Usha Rani, Professor and Dr. B. Anil Kumar, Associate Professor of Veterinary Pharmacology & Toxicology were inducted in to Indian Society of Veterinary Pharmacology as Fellow and Associate Fellow, respectively. Dr. M. Kishan Kumar, Professor of

Livestock Production and Management was awarded Eminent Scientist Award 2023 during International Conference held at NAU, Navsari, Gujarat. Dr. N. Rajanna, Professor of LPM secured second place in the Industry - Agricultural Technology - KVK Partnership at the ICAR-ATARI Zonal Workshop, TNAU, Coimbatore. He was also awarded with *Best Extension Scientist Award* at HITASA-2024, Warangal. Dr. P. Shivakumar *et al.* received the best oral presentation award at the Annual Conference of the Indian Society of Ethno-Veterinary Herbal Research in 2024. Dr. C. Vinaya Sree, Associate Professor of Veterinary Physiology, Dr. B. Soumya, Associate Professor of Agronomy, Dr. V.Ravikanth, Assistant Professor of Veterinary Pathology have received Best Oral Presentation Awards at the National Conference organised by Indian Science Congress and PJTAU. Dr. M. Venkateswarlu, Professor of Animal Nutrition and Dr. N. Rajanna, Professor of LPM won Best Paper Award from IDA for their research work. Dr. J. Shiva Jyothi, Assistant Professor of Veterinary Microbiology was conferred with the Best Research Paper Award by the Indian Society for Sheep & Goat Production. Dr. S. Vamshi Krishna, Associate Professor of Veterinary Microbiology received Best Poster award from Indian Virological Society, Dr. G. Swarnalatha, Associate Professor of Dairy Technology received second prize for poster presentation on fortification of milk with nano-

encapsulated biopeptides at 50th Dairy Industry Conference. Further, Dr. G. Ambica, Associate Professor of Veterinary Medicine won Best Poster Award at International Symposium on Antimicrobial Resistance held at Meerut. Dr. B. Dasmabai, Associate Professor of Veterinary parasitology won the Best Oral Presentation Award in 33rd National Congress of Veterinary Parasitology and National Symposium.

In 2023, Dr. Jyothi, Associate Professor of Veterinary Medicine received the *Young Scientist Award for Ph.D.Thesis* from the Veterinary Internal and Preventive Medicine Society while Dr. Bhavitha was honoured with the *VIPM Best Thesis Award in 2023*. In 2024, Dr. Zeenath *et al.* won the *Best Clinical Case Presentation Award* for a rare case of feline idiopathic cystitis, and Dr. Lakshmi, Professor of Veterinary Medicine earned the *VIPM Associate Fellow Award* and multiple Best Oral Presentation Awards for her work on canine Malassezia dermatitis and babesiosis.

Dr. N. Rajanna, Program Coordinator, KVK, Mamnoor, Dr. G. Swarnalatha and Mr. K. S. Umapathy faculty of Dairy Technology and Dr. P. Radhakrishna, Assistant Professor of Veterinary Physiology were awarded Best Employee/Best Teacher awards from the respective District Collectors.

This University encourages interdisciplinary and institutional collaborations. It has research and academic collaboration with several institutions *Viz*. Indian Immunologicals Ltd., National Institute of Animal Biotechnology, National Meat Research Institute, National Fisheries Development Board, Directorate of Poultry Research, National Institute of Nutrition and several Universities.

This University believes in networking and exposure and encourages faculty participation in scientific meetings. The 33rd National Congress of Veterinary Parasitology and National Symposium on "Innovations in Parasite Control Strategies for the Upliftment of Animal & Human Health" was organized by this University under the aegis of Indian Association for the Advancement of Veterinary Parasitology (IAAVP) from 17th to 19th December, 2024. The University has also accepted to co-host the prestigious World Aquaculture Conference to be held during November this year at Hyderabad.

This University believes in inculcating social responsibility to its students and actively takes up NSS programmes. There are about 1225 volunteers and 41 one day camps and 3 one week animal health camps were

organized during the period under report. Besides, students participated in all the campaigns and events such as National Voters Day, National Youth Day, *Azadi Ka Amrit Mahotsav,* World Veterinary Day etc.

This University has a remount and veterinary corps regiment at Rajendranagar with sub unit at Korutla. In addition to regular training camps, 22 cadets attended the Army Attachment Camp at Meerut, four cadets took part in the Advance Leadership Camps held at Rourkela and Nizamabad, six cadets took part in the Ek Bharat Shreshtha Bharat Campsheld at Patiala and Udaipur. A total of 85 cadets were awarded the NCC 'C' Certificate, while 44 cadets earned the 'B' Certificate during the reporting period.Cadets also showed enthusiastic involvement in numerous social service and community development activities, including animal health camp, plantation drives, statue cleaning, and Swachh Bharat initiative at Golconda Fort. They also participated in National campaigns such as Har Ghar Tiranga, along with observances of World Environment Day, International Yoga Day, and Anti-Drug Day.

University has four research stations conducting need based research on cattle, sheep, goat, pigs and poultry. Government of India has sanctioned Embryo Transfer Project and Gokulgram Project under Rashtriya Gokul

Mission. Genetic improvement, Conservation and Popularization of native cattle breeds is being undertaken under these projects. In the recent past, Indian Council of Agricultural Research has sanctioned AICRP on Poultry and Network Project for Buffalo Improvement and both are in operation at Mamnoor campus. Besides, several faculty have got externally funded research projects from agencies such as DBT, DST *etc.* and are working on health, diagnostics and conservation and genetic improvement of livestock.

Department of Veterinary Biotechnology successfully developed and commercialized a pentavalent inactivated vaccine for Bluetongue disease, and in partnership with ICAR-NIVEDI, efforts are underway to update this vaccine with currently circulating serotypes to ensure continued field effectiveness. The department's Disease Diagnostic Laboratory received NABL accreditation and now provides real-time PCR-based diagnostic services for Infectious Bovine Rhinotracheitis (IBR). In collaboration with the National Institute of Animal Biotechnology, Hyderabad, the complete genome of the Lumpy Skin Disease Virus (LSDV) was sequenced for the first time directly from a clinical sample in India. Further, the presence and full genome sequences of several novel canine viruses were reported in the country for the first time. A detailed study on viral causes of canine

gastroenteritis underscored the urgent need for improved vaccines to manage these infections in dogs. The department is also developing rapid, pen-side, amplification-based diagnostic kits for early detection of abortion-causing viruses in cattle, including IBR and Bovine Viral Diarrhoea Virus. In addition, an inactivated vaccine for Lumpy Skin Disease is under development, while evaluation and testing of the live LSD vaccine already produced are presently in progress.

All the Veterinary Colleges have well established Veterinary Hospitals along with Disease Diagnostic Laboratories where students get adequate hands-on practice. Feed analytical laboratories located at Rajendranagar and Korutla are serving the needs of farmers and industry.

This University has one Krishi Vigyan Kendra at Mamnoor which is spearheading the transfer of technology and enhancing awareness about modern and relevant scientific farming practices among farmers.

Before I conclude, I wish to express my sincere thanks and gratitude to Shri Jishnu Dev Varma garu and the Chief Guest of today's function Dr. Meenesh Shah, Chairman and Managing Director, National Dairy Development Board and all the invitees for their gracious presence at this convocation.

I express my sincere thanks to the Government of Telangana, members of the Board of Management and the Academic Council for the cooperation and support extended in upholding the academic standards and management of the University. I also thank all the faculty, staff and students for their contribution and cooperation in maintaining a healthy campus life and academic excellence.

I extend thanks to all the Members from the Press and Media for their kind presence and coverage of the convocation proceedings. I once again congratulate all the medal winners and graduating students and hope that you will serve the society with utmost sincerity and good faith.

सर्वेभवन्तुसुखिनः सर्वेसन्तुनिरामयाः।
सर्वेभद्राणिपश्यन्तु, माकश्चिद्दुःखभाग्भवेत्॥
sarve bhavantu sukhinaḥ, sarve santu nirāmayāḥ |
sarve bhadrāṇi paśyantu, mākaścid duḥkha bhāgbhavet ||

"May all be happy, may all be free from disease, may all see auspiciousness, may none suffer in misery."

Jai Hind

PODA THURPU

....Native Cattle Breed of Telangana

FIFTH CONVOCATION

Friday, 19th Sep, 2025

Oration of the Chief Guest

Dr. MEENESH SHAH

CHAIRMAN & MANAGING DIRECTOR

NATIONAL DAIRY DEVELOPMENT BOARD

ANAND, GUJARAT

- Shri Jishnu Dev Verma ji, Hon'ble Governor of Telangana and Chancellor of P. V. Narasimha Rao Telangana Veterinary University
- Prof. M Gnana Prakash, Vice-Chancellor of the University
- Deans of various faculties, learned faculty members, distinguished guests, dear graduating students and their parents, representatives of the press and media, ladies and gentlemen

It is indeed a moment of immense pride and privilege to stand before you today to deliver the Convocation Address of P. V. Narasimha Rao Telangana Veterinary University. I am deeply grateful for the opportunity to address such a distinguished gathering and to share my thoughts with the bright minds who are poised to take the next steps in their journeys of growth and contribution.

First and foremost, my heartiest congratulations to all the graduates, postgraduates and doctoral awardees. This day is a testament to your unwavering dedication, hard work, and perseverance. It is also a proud moment for your families and the dedicated faculty who have nurtured your talent and guided you through this transformative phase of your lives. Today, you step out from this esteemed institution, carrying not just degrees but the power to shape the future of veterinary, dairy technology and fishery sectors of our nation.

Veterinary education in Telangana can be traced back to the pre-Independence era, with establishment of Hyderabad Veterinary College in 1946. Post-independence, it was spearheaded by the Andhra Pradesh Agricultural University (1964), Sri Venkateswara Veterinary University, Tirupati (2005) and finally by P. V. Narasimha Rao Telangana Veterinary University (2014). The University is contributing enormously to quality education, research, and extension for rural development, while nurturing countless professionals to serve farmers, entrepreneurs and the overall development of the nation.

India's agricultural sector continues to serve as the backbone of the nation's economy, playing a vital role in national income and employment.

The sector contributes 16% to the national GDP and employs 46% of the country's population (Economic Survey, 2024-25). Not only does its performance directly impact food security, but it also influences other sectors, sustaining livelihoods and supporting economic growth. India's food grain production is estimated to have reached a record high of 353.9 million tonnes (MT) in the agricultural year 2024–25, a significant increase from the 332.2 MT in 2023–24. This growth is attributed to improved agricultural infrastructure, supportive government policies and favourable climatic conditions to some extent.

Livestock Sector is an important subsector of agriculture in the Indian economy. The sector has experienced a strong growth with a CAGR of 12.77% (2014-15 to 2023-24). The livestock sector's contribution to the total agriculture and allied sector's GVA (Gross Value Added) has risen significantly, reaching about 31% in 2023-24 and 5.5% to total GVA of the country. This growth is fuelled by increasing production of milk, meat and eggs. With production of 239.3 MT milk (24.7% of the global production), India is the world's largest milk producer. Milk production in the country is growing at CAGR of 5.6% over the past 10 years, against 1.5% of the world. The per capita availability of milk in the country is 471 grams per

day (2023-24) as against the world average of about 315 grams per day in 2023. Dairying plays a crucial role in the livelihoods of 80 million rural households (income and employment generation to a large portion of the population, especially landless and marginal farmers) and provides food security to 1.4 billion people. Next to dairying, India ranks 2nd in egg production and 5th in meat production in the world. Over the last 10 years, eggs and meat production in the country are growing at CAGR of 6.8% and 4.8%, respectively.

This accelerated growth of the livestock sector in India is a result of continued grassroot level innovations and Government's support through favourable policies and schemes. The Government of India is implementing a number of schemes and programmes that are benefiting the sector. These include the Rashtriya Gokul Mission (RGM), indigenously developed sex-sorted semen production technology, indigenous media for in-vitro fertilization (IVF), genomic chips for Indian cattle and buffaloes, Traceability Platform for Livestock Products, National Programme for Dairy Development (NPDD), Dairy Processing and Infrastructure Development Fund (DIDF), Supporting Dairy Cooperatives and Farmer Producer Organizations (SDCFPO), National Livestock Mission (NLM), Animal

Husbandry Infrastructure Development Fund (AHIDF), Livestock Health and Disease Control Programme (LHDCP), National Animal Disease Control Programme (NADCP), Assistance to States for Control of Animal Diseases (ASCAD), Mobile Veterinary Units (MVUs), Kisan Credit Cards (KCC), Japan International Cooperation Agency (JICA), and expanding the network of colleges for veterinary education, etc. The National Dairy Development Board (NDDB) is closely working with the Government of India for implementation of many of these dairy development programmes in the country.

Over the years, National Dairy Development Board (NDDB) has embraced an integrated approach to sustainable, climate-smart dairying. From genetic improvement of bovines to scientific fodder production, feeding management, manure management, renewable energy promotion and carbon sequestration, our initiatives aim to enhance productivity and farmers' income while minimizing environmental impact. These initiatives include:

1. **Animal breeding:** To increase the productivity of future generations, various initiatives in scientific breeding have been taken by NDDB. In early years, NDDB established bull mother farms and frozen semen

stations in the country. Since early 1970s, the Sabarmati Ashram Gaushala (SAG), Bidaj, Gujarat and Animal Breeding Centre (ABC), Salon, Uttar Pradesh have been premiere germplasm centres in the country. NDDB has been importing HF and Jersey germplasm in the country based on needs of the crossbreeding programme. Selected organisations across the country are carrying out Progeny Testing (PT) and Pedigree Selection (PS) programmes to produce bulls of descript indigenous breeds of cattle and buffaloes to cater to the needs of the country. The performance data combined with DNA information helps in genomic selection of animals that suit well in specific climate. Through genomic selection, animals can be selected for higher milk yield and milk quality, heat stress, reproduction and feed use efficiency, etc. NDDB has established a system of genomic selection in the country. Custom genotyping chips INDUSCHIP and BUFFCHIP were initially developed by NDDB (In collaboration with BAIF, NIAB and NBAGR) to suit the Indian bovine population and later unified as GAUCHIP and MAHISHCHIP. In 2024, Hon'ble Prime Minister dedicated genotyping chips, **GAUCHIP** and **MAHISHCHIP** for genotyping of cattle and buffaloes in the country. The genomic selection, using genomic chips, will help farmers for early selection of heifers and thereby improving

their herds. NDDB has done more than 1.5 lakh genotyping of cattle and buffaloes. NDDB CALF Ltd. (subsidiary of NDDB) is providing service to farmers to accurately select heifers and bull calves at the early age. Bull selection based on Genomic Breeding Values will help accelerate genetic progress of population under AI. The NDDB Dairy Services (NDS) – one of the subsidiaries of NDDB has indigenously developed semen sex sorting technology – **GauSort**. This has reduced the cost of sex sorted semen to around ₹ 250 compared to the current price of ₹ 800 (the technology was previously monopolised by multi-national companies). In 2024, Hon'ble Prime Minister dedicated the GauSort technology to the nation. This will help farmers to get more replacement heifers from elite animals. NDDB is also promoting, *in-vitro* embryo production and embryo transfer technology among farmers. ***Hub and Spoke model*** implemented by NDDB is helping cooperative milk unions to adopt this technology for faster multiplication of elite females. During 2024, NDDB supported IVF laboratories have done more than 5,000 embryo transfers. To reduce cost of IVF derived embryos, NDDB has developed indigenous IVF media. NDDB is also working on development of low-cost sensor-based cow monitoring system to make technology available at affordable cost for farmers. NDDB is also actively engaged

with the Government of India for implementing various projects under the Rashtriya Gokul Mission (RGM) which include PT and PS, National Bovine Genomic Centre for Indigenous Breeds (NBGC-IB) and import of germplasm.

2. **Fodder production and conservation:** NDDB has been promoting the production of quality fodder seeds of improved genetics. Since Operation Flood, NDDB has been spearheading organised fodder production programmes with notable milestones include the establishment of the Northern Region Fodder Seed Grid (1992) and the subsequent establishment of six seed units under Operation Flood-III. Post-National Dairy Plan-I (NDP-I), significant progress has been made, with the establishment of nine seed processing units and the production of approximately 40,000 quintals of fodder seeds by dairy cooperatives. Aimed at increasing the availability of good quality fodder seeds, the Government of India is implementing the realigned **National Livestock Mission (NLM)** from year 2021-22, in which NDDB is facilitating dairy cooperatives to take up fodder seed production in a big way. Under the NLM, NDDB has facilitated dairy cooperatives in producing about 22,380 tonnes of high-yielding fodder seed

varieties from 2021-22 to 2024-25. Considering the prospect of fodder cooperatives in mitigating fodder scarcity in the country, NDDB has been designated as Implementing Agency for formation and promotion of 100 **'Fodder Plus' Farmer Producer Organisations (FPOs)** during FY 2022-23 with the help of Milk Unions/ Producers' Organisations/ NGOs/ other such institutions. Currently, 82 FPOs are actively engaged in business activities such as green fodder and silage production and sale, dry fodder trading, fodder seed sale, selling of feed supplements etc. till July 2025, the total business transactions for 82 Fodder Plus FPOs reached to ₹ 5,365 lakh.

3. **Animal Nutrition:** NDDB's initiatives in scientific nutrition are focused on improving milk productivity and milk quality at affordable cost, higher profitability, while mitigating greenhouse gas (GHG) emissions. NDDB conceptualised **'Ration Balancing Programme' (RBP)** and educated milk producers on scientific feeding of their animals. Under RBP, doorstep ration advisory services were provided for 2.8 million animals belonging to 2.2 million dairy farmers covering 18 states. The concept is being further promoted through NDLM, JICA, Aga Khan Foundation (AKF) and other interested organisations/cooperatives/ NGOs. Further, to improve utilisation of agricultural crop residues

for animal feeding, the crop residues were secured and incorporated with concentrates to produce **'dry-Total Mixed Ration' (TMR)** and established two plants with annual production of about 3,500 tonnes TMR blocks and pellets. Further, silage/green fodder, dry fodder and concentrate based **'conventional-TMR'** is also being promoted with the first commercial plants established by Amul and Banaskantha Milk Union, and more such plants are underway. Initiatives such as RBP and TMR have improved milk yield and milk quality, reduced cost of milk production, improved farmers' income, minimised GHG emissions (including enteric methane) and water footprint of milk. Development of a feed additive for mitigating enteric methane emission is also underway. NDDB's efforts in promoting circular bioeconomy have resulted in successful development of silages from green paddy stubble and empty-pea pods. Additionally, for effective management and control of Aflatoxin in animal feeds raw materials and finished feeds, NDDB is exploring cost-effective ways to develop and standardise mycotoxin binders, ozone treatment of feeds, rapid-detection kits/ assay in collaboration with various agencies.

4. **Animal Health:** Modern dairy productivity is no longer measured only by volume, but by the health and well-being of the herd and the quality

of milk produced. Disease control, preventive animal healthcare, food safety and environmental responsibility (One Health) are central to this new productivity paradigm. Improving cow health and embracing sustainable practices not only boosts milk yields but also ensures safe milk for consumers and positions farmers as key players in tackling public health and climate challenges.

NDDB is promoting **Ethno-veterinary Medicine (EVM)** concept (a traditional herbal approach for animal health) through **'Disease Control through Alternative Methods project (DCAM)'** in various milk unions and producer organisations across India. EVM offers a cost-effective, natural alternative to antibiotics, and its benefits are twofold. First, it effectively treats and prevents common illnesses. In India's largest on-field EVM project led by NDDB, EVM management have achieved over 11 lakh cases, with high cure rates (often above 80%) for ailments such as mastitis, fever, indigestion and diarrhoea. This means four out of five cases are being cured with natural remedies, dramatically reducing the need for antibiotics. Second, by cutting out unnecessary antibiotics, EVM helps mitigate the growing threat of antimicrobial resistance (AMR). AMR is a global 'silent pandemic' resulted largely by overuse of

antibiotics in humans and livestock. Adopting herbal treatments such as EVM helps break this cycle, preventing disease without contributing to AMR, preserving the effectiveness of life-saving drugs. To further promote the concept of EVM and to reduce the usage of antibiotics in animal disease management, the Government of India has endorsed the use of EVM for management of common bovine ailments in the latest "Standard Veterinary Treatment Guidelines for Livestock and Poultry".

Since 2017-18, under the DCAM project wherein the major focus is on improving milk quality and, reducing antimicrobial use (AMU) and antimicrobial resistance (AMR), a total of over 1,400 villages in 16 milk unions/producer companies across 8 States are involved. The project is further being expanded as the **Dairy Integrated Safety and Health Action (DISHA)** project from 2025-26 which encompasses comprehensive One Health strategies to reduce the transmission of diseases from animals to humans, thereby protecting public health and livelihoods and, improving food safety.

One Health initiatives: Sustainability in dairy farming rests on an integrated approach that links health of animals, public and

environment – the essence of the 'One Health' framework. We cannot treat animal health in isolation, what happens on the farm has direct impact on the food we eat and the ecosystem around us. Our initiatives therefore address not only animal diseases but also food safety and environmental hygiene as interconnected goals.

NDDB has implemented a comprehensive **One Health model for brucellosis control** that creates linkages between animal and human cases. The approach emphasizes identification of infected animals, disinfection of premises, proper disposal of aborted foetuses and placenta. The vaccination is being carried out under the **National Animal Disease Control Programme (NADCP)**. The model has facilitated testing of more than 8,000 animals and 6,200 humans, with successful treatment of over 138 human brucellosis patients, achieving a 100% recovery rate. This approach demonstrates how addressing animal disease can directly benefit human health.

Conscious of the fact that proper awareness creation is pivotal in achieving progress in dairying, NDDB has developed various types of **extension materials** such as, Handbook of Good Dairy Husbandry Practices, EVM booklets, posters and videos, Understanding Your

Bovine booklet, and more than 360 awareness videos on vaccination, deworming, mastitis control and calf care etc, in all major vernaculars to reach the last mile farmer. All extension materials have been uploaded on the NDDB's Dairy Knowledge portal and YouTube channel.

Given that the majority of livestock in India is owned by small and marginal farmers, targeting market mechanisms and service delivery systems in the country presents significant challenges, as services must be provided across a vast and dispersed geographical area. Consequently, to fully harness the potential of this sector, there is a recognized need for the establishment of a technology-enabled, **farmer-centric digital ecosystem**. In response, the Department of Animal Husbandry and Dairying (DAHD), in collaboration with NDDB, has initiated an integrated IT ecosystem for the livestock sector under the ***'Bharat Pashudhan'*** project. This system will help in breed improvement, product traceability, disease monitoring and their control. Under the same project, a **'1962' Android application** has been developed that allows farmers to manage their animal related activities. It allows dairy farmers to check the complete transactions carried out on their animals along with other facilities such as pashu poshan, EVM, pashu bazaar and details of schemes being implemented by the Government.

5. **Biogas and Manure Management**: The contribution of the 'White Revolution' in empowering millions of smallholder dairy farmers, ensuring nutritional security, and thereby becoming a symbol of cooperative strength in India is well known. Going ahead, today we stand at the verge of a new transformation - one that I call the **'Green and Circular Revolution'** in dairying. This revolution is about producing more, but also producing responsibly - reducing GHG emissions, conserving natural resources, and creating rural circular economies through collective efforts of millions of smallholder farmers in the country. Allow me to highlight the pathway that the NDDB is spearheading in the **'end-to-end manure value chain'** domain which has resulted into development of various innovative and efficient Manure Management Models, leading to efficient production and use of clean energy, and the propagation of sustainable agricultural practices.

Biogas – aligning with the Hon'ble Prime Minister's vision of '*Waste to Wealth*'

Dung, often considered a burden, is actually a national resource. NDDB, through its efforts, has facilitated the installation of about 35,000

household-level (decentralised) 2-cubic meter capacity flexi biogas plants across India. These plants are providing rural families with clean cooking fuel, reducing drudgery for women, improving household health, and cutting dependence on firewood and LPG.

Beyond the household scale, NDDB is now promoting large-scale centralised biogas units and Compressed Biogas (CBG) projects by leveraging the vast dairy cooperative network across the country. Plants coming up in Gujarat, Uttar Pradesh, and other states are designed to supply clean fuel for vehicles, industries, and rural energy needs - truly transforming dung into a source of green energy and rural prosperity.

Manure Management – closing the loop!

Biogas is only half the story. The slurry that remains after gas production is a treasure trove of nutrients. NDDB is promoting the end-to-end manure value chain in line with the milk value chain wherein the surplus biogas slurry is being aggregated and processed into Fermented Organic Manure (FOM), Liquid FOM (LFOM) and Phosphate Rich Organic Manure (PROM). These organic fertilizers are contributing to restore soil fertility, reduce dependence on chemical fertilizers and enhance crop productivity in a sustainable way.

The decentralised 'Zakariyapura model' in Anand and the centralised 'Banas model' in Banaskantha, Gujarat and the 'Varanasi model' in Uttar Pradesh have shown how cooperatives can successfully manage manure at scale and replicate the approach across geographies. This is the circularity in action - where 'waste' from dairy animals' cycle back as 'wealth' to the soil and to the farmer.

One exemplary initiative, the *Mujkuva Sakhi Khad Sahakari Mandli* - India's first all-women manure cooperative - has successfully harnessed biogas and organic fertilizers, demonstrating the transformative impact of such initiatives.

The Suzuki R&D Center India Pvt Ltd (SRDI), a wholly-owned subsidiary of Suzuki Motor Corporation entered into an agreement with the NDDB at Anand on December 25, 2024, to expand biogas plants across India. As per the agreement, SRDI is making equity investment (26%) in NDDB's wholly-owned subsidiary, NDDB Mrida Ltd. As a joint venture company of NDDB and SRDI, Mrida will be advancing the vision of both organisations by providing clean energy in various forms and organic fertilisers that minimise the use of chemical fertilisers through dung-based biogas models. Earlier, SRDI had partnered with NDDB to

setup dung-based compressed biogas plants in various milk unions. With Suzuki's investment in NDDB Mrida Ltd, all these initiatives will be carried out in a focused and scaled-up manner.

To scale up sustainability initiatives across the country, NDDB has submitted various policy level inputs especially for suitable funding support in the form of **Climate Finance** for propagation of renewable energy applications and scaling up productivity enhancement measures. NDDB along with Sustain Plus Energy Foundation is working for the generation of **Carbon Credits** from the installation of the flexi biogas plants in 7 states (project registered under the Voluntary Carbon Standard mechanism). Under the 'Gobar se Samruddhi', NDDB Mrida Ltd. has partnered with the biogas plant manufacturer Sistema.bio to harness upfront carbon financing potential for installation of flexi biogas plants. Government of India's **Green Credit Programme** would provide further incentives for adoption of sustainability measures in areas such as manure management, afforestation, treatment of dairy wastewater, use of renewable energy in dairy value chain and efficient design resulting in reduction in materials and energy intensity in dairy processing.

Friends, sustainability is not just about doing good for the planet. It is also about creating economic opportunities for our farmers. Every tonne of CO_2-equivalent emission avoided, every unit of fossil fuel replaced with clean energy, every kilogram of chemical fertilizer substituted with organic manure - all these actions generate measurable climate benefits. NDDB is working to aggregate these benefits into carbon credits, which can be monetized in voluntary and compliance markets. This will provide a new stream of income for cooperatives and farmers, while also positioning India's dairy sector as a leader in climate-smart livestock management. I am happy to share that NDDB has already taken the first steps in this direction. From our household-level biogas programme, carbon credits have been successfully generated. For the first time, carbon credit payments were made directly to farmers for using their biogas plants. This historic climate action is translating into tangible income in the hands of rural women. This is just the beginning. With wider adoption of biogas, solarization and manure management, the carbon economy can become a powerful enabler of rural prosperity and sustainability.

6. **Solarization – harnessing the power of the Sun:** NDDB has pioneered innovative solutions that turn solar energy into a new cash crop for

farmers. With the **Mujkuva Solar Pump Irrigators Cooperative Enterprise (MSPICE)**, NDDB has successfully demonstrated a pilot on how farmers can sustainably use groundwater for irrigation through solar energy. Using solar pumps, required groundwater can be extracted for irrigation and surplus electricity can be transferred to the grid for generating additional revenue for farmers. This novel initiative was inaugurated by the Hon'ble Prime Minister in the year 2018. The MSPICE model has been a reference for Suryashakti Kisan Yojana (SKY), Government of Gujarat scheme for promoting feeder level grid connected solar pumps and for designing component C of Kisan Urja Suraksha evam Utthan Mahabhiyan (PM-KUSUM) scheme of Government of India for grid connected solar pumps.

Imagine a dairy farmer irrigating his fodder crops with solar pumps, cooling milk at the village dairy cooperative using solar-powered bulk milk coolers, and meeting farm energy needs - all without relying on fossil fuels. This is no longer imagination; it is happening. Solar energy has now become an essential part of dairy operations, reducing energy costs, lowering emissions and paving the way for greening the dairy sector. To encourage renewable energy use in dairy value chain,

NDDB is supporting milk unions for installation of Solar Photovoltaic (PV) panels and Concentrated Solar Thermal (CST) system, and semen stations for installation of solar energy systems to meet their energy requirements.

Solar PV power generation: Solar PV is the best suited option to capture solar energy and convert it into electricity. Generated power can be utilized to meet the power requirement for dairy processing, and surplus power can be transferred back to grid to generate additional revenue. Establishment of Solar PV power generation plants is promoted in most of the infrastructure projects undertaken by NDDB. Further, several village-based Dairy Cooperative Societies (DCS) face difficulties due to irregular electricity supply which affects chilling and storage of milk in Bulk Milk Coolers (BMC). Solar PV provides the required standby power supply arrangement and reduce dependence on the grid power. It also contributes to save electricity and improve the milk quality due to uninterrupted milk chilling.

Concentrated Solar Thermal (CST) system: As an alternate to conventional fossil-based energy sources and to address environmental concerns arising due to their indiscriminate usage, NDDB is consciously

implementing CST technology in dairies. Hot water generated through CST systems is being utilized in boiler feed water, CIP systems, Crate and Can washers etc. which is helping in reduction of overall operating cost. So far, 19 such CST projects with a combined capacity of about 225 lakh Kcal/day have been executed by NDDB across the country.

7. **Multi-state cooperatives:** In 2023, three new national-level multi-state cooperative societies were established: National Cooperative Organics Limited (NCOL), Bharatiya Beej Sahakari Samiti Limited (BBSSL), and National Cooperative Exports Limited (NCEL). NDDB is the chief promoter of NCOL and one of the promoters of BBSSL. NCOL aims to help India realize its potential as a global leader in organic products, following the vision of 'Local to Global'. As the chief promoter, NDDB will support farmers in adopting organic farming practices. NCOL will facilitate direct market access for organic farmers and producer organizations. BBSSL, on the other hand, will serve as the national-level apex organization focused on the production, processing, storage, marketing, branding, labelling, distribution and research and development of high-quality seeds produced by cooperatives and other entities. The goal is to offer better price to farmers and other stakeholders, contributing to the vision of "*Sahkar se Samriddhi*".

8. **White Revolution 2.0:** Launched in September, 2024, by the Ministry of Cooperation (Government of India) and Ministry of Fisheries, Animal Husbandry & Dairying (Government of India), the White Revolution 2.0 initiative involves the NDDB to expand dairy cooperative coverage, achieve higher milk procurement targets, empower women, and promote sustainability and the circular economy. Its key objectives and strategies include:
   - **Increase milk procurement:** The primary goal is to increase milk procurement by dairy cooperatives by 50% from the present level over the next five years.
   - **Expand coverage of cooperatives:** Setting up 75,000 new multipurpose DCS (MDCS) in uncovered villages and strengthening 46,422 existing DCS.
   - **Promote women empowerment:** Bringing more women dairy farmers into the cooperative sector is a key focus.

Conclusion: Having surpassed in the self-sufficiency in the milk production and meeting the nutrition needs of predominantly lacto-vegetarian population in the country, it is the right time for India to vision for the sustainable and inclusive transformation of the dairy sector and become

one of the leading players in the global dairy trade. The Indian dairy sector has a blueprint ready for achieving this sustainable and inclusive transformation to become '*Dairying to the World*'. In the next 20 years, Indian dairy sector aims to:

- Increase dairy animals' productivity by 3 times (from the present level of 2,080 to 5,200 kg per animal per year)
- Expand coverage of organised dairy sector by 2 times (from 1.7 to 3.5 lakh villages)
- Increase share of value-added milk products in the cooperative sector by 2 times (from 25% to 50%)
- Increase the share in global dairy trade by 10 times (from present level of less than 1% to about 10%)
- Achieve **Net-Zero GHG emissions by 2047** through adoption of comprehensive sustainable practices (scientific fodder production, breeding, feeding, health, manure and energy management coupled with GHG removal through Carbon sequestration)

As we celebrate the International Year of Cooperatives in 2025, these initiatives gain even greater significance. The initiatives of cooperatives take

on even greater importance, emphasizing their vital contributions to socio-economic progress, poverty alleviation, and community empowerment. These efforts hold the potential to transform the lives of millions of farmers, enhance agricultural productivity, and establish India as a global leader in cooperative innovation, in alignment with sustainability and international acclaim.

I urge you to always maintain a spirit of collaboration and inclusivity. Agriculture is inherently a collective endeavour, relying on the shared knowledge, experiences, and efforts of diverse stakeholders. Whether you are working on a farm, in a laboratory, as a government or corporate officer, or as an entrepreneur, never lose sight of the larger goal: *to create a food-secure, economically viable, and environmentally sustainable future for all.* Let this vision guide your actions and decisions.

Veterinary professionals play a vital role in the advancement of the dairy sector by offering their scientific and technical expertise for enhancement of animal genetics, nutrition, health, welfare and productivity, strengthening farmers education, knowledge upgradation, training and rural entrepreneurship. This, in turn, significantly contribute to rural socio-economic development and livelihood improvement of millions of farmers.

Even the great Father of the Nation - Mahatma Gandhi once acknowledged contribution of the veterinary profession through his famous quotation – "*The greatness of a nation and its moral progress can be judged by the way its animals are treated*" which implies that a society's commitment to animal welfare, **upheld by veterinary professionals**, reflects its true moral standing.

The foundation laid by institutions such as P. V. Narasimha Rao Telangana Veterinary University is merely the starting point of your journey. It is now up to you to build upon this groundwork with innovation, determination, and a desire to make a meaningful impact. Embrace the opportunities for lifelong learning and nurture your curiosity. Never shy away from questioning established norms, for it is often in challenging the status quo that ground-breaking ideas emerge and progress is achieved.

Dear Graduates, as you receive your degrees today, remember that you are not just veterinarians, in fact, you are custodians of a sustainable future - for farmers, for animals, for society and for the planet.

I warmly invite all young graduates to explore collaborations with the National Dairy Development Board, whether through research projects,

internships, fieldwork, or innovative entrepreneurial initiatives, as NDDB provides ample opportunities for meaningful partnerships. Together, we can drive productivity, foster sustainability, and uplift the rural communities that are the foundation of our nation.

I would like to share a quotation of Dr. Verghese Kurien, a visionary leader and the Father of the White Revolution, whose legacy continues to inspire all of us: "*Life is a privilege and to waste it would be wrong. In living this privilege called 'Life', you must accept responsibility for yourself, always use your talents to the best of your ability and contribute somehow to the common good*". These words encapsulate the essence of your mission as graduates of this esteemed institution.

Congratulations once again to each one of you. May your journey ahead be filled with purpose, innovation, and impactful contributions to society. Remember, the world is watching, and India's future depends on your dedication and ingenuity.

Thank you, and Jai Hind!

ABOUT THE CHIEF GUEST

Dr. Meenesh Shah, has an illustrious and multifaceted career of 40 years in the Dairy sector. After joining the National Dairy Development Board (NDDB) in the year 1985 as a Dairy Technologist from Sheth MC College of Dairy Science, Anand, over the years, he has successfully handled several responsibilities across the dairy value chain and today is leading the Institution as its Chairman and Managing Director. Dr Shah is also a Post Graduate in Rural Management from the Institute of Rural Management, Anand.

Dr. Meenesh Shah has been a visionary leader and a key proponent of innovations for taking up farmer centric interventions. In line with the larger vision of Aatmanirbhar Bharat and Make in India, in the past few years under his leadership, several path breaking innovations have materialised interalia- indigenous cost-effective sex sorted semen 'GauSort', genomic selection with the indigenous 'GauChip' and MahishChip, indigenous media for embryo transfer, manure management models, indigenous ready-to-use culture (RUC), Hepatitis-A vaccine etc.

Dr. Shah has been providing leadership to several Institutions as its Chairman which include, Mother Dairy, Indian Immunologicals Limited, IDMC, NDDB Dairy Services, National Cooperative Organics Limited,

NDDB Mrida Ltd., NDDB CALF Ltd., National Cooperative Dairy Federation of India, Anandalaya, Pristine Biologicals NZ, Animal Breeding Research Organisation and NDDB Foundation for Nutrition which are furthering the objectives of NDDB in bringing about prosperity in the lives of farmers.

Dr. Shah is on the Board/ Governing Councils of many other premier Institutions in India and abroad including, International Dairy Federation (IDF), Dairy Sustainability Framework, National Cooperative Development Corporation (NCDC), The Indian Chamber of Food and Agriculture (ICFA), Institute of Rural Management Anand (now Tribhuvan Sahakari University), Vidya Dairy, Foundation for Ecological Security, North East Dairy and Foods, Bharatiya Beej Sahakari Samiti etc.

Dr. Shah has received several accolades for his exemplary contribution to the dairy sector which include- Doctor of Science (Honoris Causa) degree from Kamdhenu University, 14th Dr Kurien Award of Indian Dairy Association for significantly contributing to the development and growth of the Indian dairy industry, IDF Prize of Excellence Award 2023 in recognition of his outstanding contribution to the work programme of International Dairy Federation and "Visionary Leadership Award 2025" by Agriculture Today Group.

He is also the Member Secretary of Indian National Committee of International Dairy Federation and a Member of the Standing Committee

on Dairy Policies and Economics of IDF. He spearheaded successful organisation of the World's largest Dairy Conference IDF-WDS 2022 in India which was graced by the Hon'ble Prime Minister, the Hon'ble Home & Cooperation Minister, the Hon'ble Chief Minister of Uttar Pradesh, seven other Union Ministers.

Dr. Shah has been representing Indian Dairy Sector at several International Forums suitably showcasing and positioning our Small Holder based Dairying System to the World. Further he has been playing an important role in taking Indian Dairy Sector to the similarly placed countries like Sri Lanka, Kenya etc.

Dr. Shah has taken a leadership role in making Indian dairy sector more sustainable & inclusive and has been instrumental in innovations and large-scale adoption of sustainable practices in dairy sector in India like manure/ biogas management, use of solar, climate smart dairying, scientific breeding & feeding interventions.

Today, Dr. Meenesh Shah is leading several organisations and is working with Central and State Governments towards bringing about White Revolution 2.0 by increasing the depth and spread of dairy cooperatives as well as towards Viksit Bharat 2047 through scientific dairying and creating a better dairying ecosystem.

DECCANI SHEEP

. . . Native Breed of Telangana

Conservation efforts by PVNRTVU

FIFTH CONVOCATION

Friday, 19th September, 2025

CHANCELLOR'S MESSAGE

Shri JISHNU DEV VARMA

Hon'ble Governor of Telangana & Chancellor of
P. V. Narsimha Rao Telangana Veterinary University

Distinguished Chief Guest, Dr. Meenesh Shah, Chairman & Managing Director, National Dairy Development Board, Anand; Vice-Chancellor of this University, Prof. M. Gnana Prakash, Members of the Board of Management and Academic Council, University Officers both past and present, Invited guests, Learned Faculty, Students, Staff, Media personnel and Ladies and Gentlemen, A very good morning to you all.

I am happy to preside over this Fifth Convocation of P. V. Narsimha Rao Telangana Veterinary University, named after a distinguished son of the soil and former Prime Minister of our great nation. I hope the ideals and vision of this great statesman will continue to guide the University in its journey of excellence.

At the outset, I congratulate the graduating students on reaching this incredible milestone! Today marks not just the end of your academic journey, but the beginning of a lifelong mission - to serve life in all its forms.

Whether you are healing animals, innovating in dairy science, or sustaining the bounty of our waters, you are stepping into roles that are vital to the health of our planet and its people.

Veterinarians, you are the healers, the silent guardians of animal welfare and public health. With every life you save, you protect ecosystems, strengthen communities, and bring compassion into science.

Dairy Technologists, you are the innovators of nutrition, ensuring that the food we consume is not only safe and sustainable but also nourishing for generations to come.

Fishery Professionals, you are the stewards of our aquatic resources, balancing tradition with technology to preserve aquatic wealth and support food security in a changing world.

The work ahead will demand knowledge, integrity, and empathy. But never forget - the smallest acts of care often leave the biggest impact.

So go forward with pride. Be the voice for the voiceless. Be the bridge between science and society. Be the change the world needs.

The future of food, health, and sustainability is in your hands - and they are capable, compassionate, and ready. Never underestimate the impact of your work. Whether it is saving a single life or shaping policies for the nation, your dedication matters.

The journey ahead will test you - but it will also fulfil you in ways few careers can. Be proud, be fearless, and above all, be kind.

On this occasion, I would also like to congratulate the parents and faculty for their responsible guidance in moulding the students.

Dear graduates, it is worth remembering that the responsibility of a veterinarian is, in many ways, greater than that of a medical doctor.

A physician is trained to treat only one species - humans.

A veterinarian, however, must understand, diagnose, and heal multiple species, each with its own physiology and needs. In protecting animal health, veterinarians also safeguard human health, ensure food safety, and preserve biodiversity.

This unique role makes your profession not just noble, but indispensable. As Dr. James Herriot, the world-renowned veterinarian and author, once said: "I hope to make people realize how totally helpless animals are, how dependent on us, trusting as a child must be. That we will be kinder than we are."

India, being an agrarian nation, sees Animal Husbandry, Dairying, and Fisheries contributing substantially to the national economy. Our country has made rapid strides in these sectors and is today a leading producer of milk, meat and eggs.

My dear graduating students, your role in nation-building through your professional contribution is immense. This becomes even more important in the changing world scenario, with climate change being the most critical issue.

With the increasing demand for animal products, high-yielding exotic and crossbred varieties are being promoted at the cost of our native breeds. Yet, native breeds have evolved over centuries, are best suited to local climatic conditions and are naturally resistant to certain diseases while being more heat-tolerant.

I urge the scientific community to conserve and popularize these breeds. I am happy that this University is implementing two major projects under the Rashtriya Gokul Mission aimed at the conservation and popularization of indigenous cattle. I hope the University succeeds in these noble efforts.

The University has had a remarkable journey since its inception and has made an indelible mark not only in teaching and research but also in extension activities. The faculty strength has improved substantially in the recent past and research infrastructure has also been enhanced significantly.

It has collaborations with several academic and research institutions, both national and international. With these strengthened facilities, I am confident that the University will continue to make animal agriculture sustainable and profitable, thereby enhancing the nutritional and economic security of our farmers and contributing meaningfully to the national economy.

Dear students, your university is named after the visionary leader Shri P. V. Narsimha Rao Garu, who emphasized knowledge, reforms

and modernization. Let his ideals inspire you as you embark on your professional journeys. Carry forward his legacy by combining wisdom with innovation, and compassion with commitment.

As you wear your graduation robes today, know that you also wear the responsibility of shaping a healthier, stronger and more self-reliant India. May your work ensure that the fruits of science and education reach every farmer, every household and every child of our country.

Before I conclude, I once again congratulate the graduating students and hope that you will serve the nation with honesty, commitment and empathy. Let me remind you of the words of Mahatma Gandhi: "The greatness of a nation and its moral progress can be judged by the way its animals are treated."

I sincerely wish you be true to this calling and make India proud.

List of Gold Medal Awardees for 2023

S.No.	Name of Gold Medal	Name of the Student	ID No.
1	Late Smt. Deverapally Radhamma Gold Medal	Lella Lokesh	RV/2018-032
2	Dr. P. Mahipal Reddy Gold Medal	K Sushmasri	RVM/2021-005
3	Dr. V.D. Jatkar Gold Medal	Lella Lokesh	RV/2018-032
4	Animal Genetics and Breeding Gold Medal	Katukuri Vijaya Goud	KV/2018-027
5	Dr. C.V. Reddy Gold Medal	K Sushmasri	RVM/2021-005
6	RV 1968 Gold Medal	Lella Lokesh	RV/2018-032
7	Dr. B. R. Ambedkar Gold Medal	Bangaru Paulabhishekam	RV/2018-006
8	Mohammed Iqbal Ahmed Sheriff Gold Medal	Priyanshu Parida	DK/2019-020
9	Prof. Krothapalli Ravindranath Gold Medal	Vityala Srilaxmi	PF/2019-022
10	Dr. D. K. Bidarkar Gold Medal	Thada Haritha	KV/2018-059
11	Indian Immunologicals Limited Gold Medal	Lella Lokesh	RV/2018-032
12	Prof. V. N. Pargaonkar Memorial Gold Medal	Kandikonda Srinithi	RVM/2021-010
13	Disha Gold Medal	Gurram Shirisha	KV/2018-017

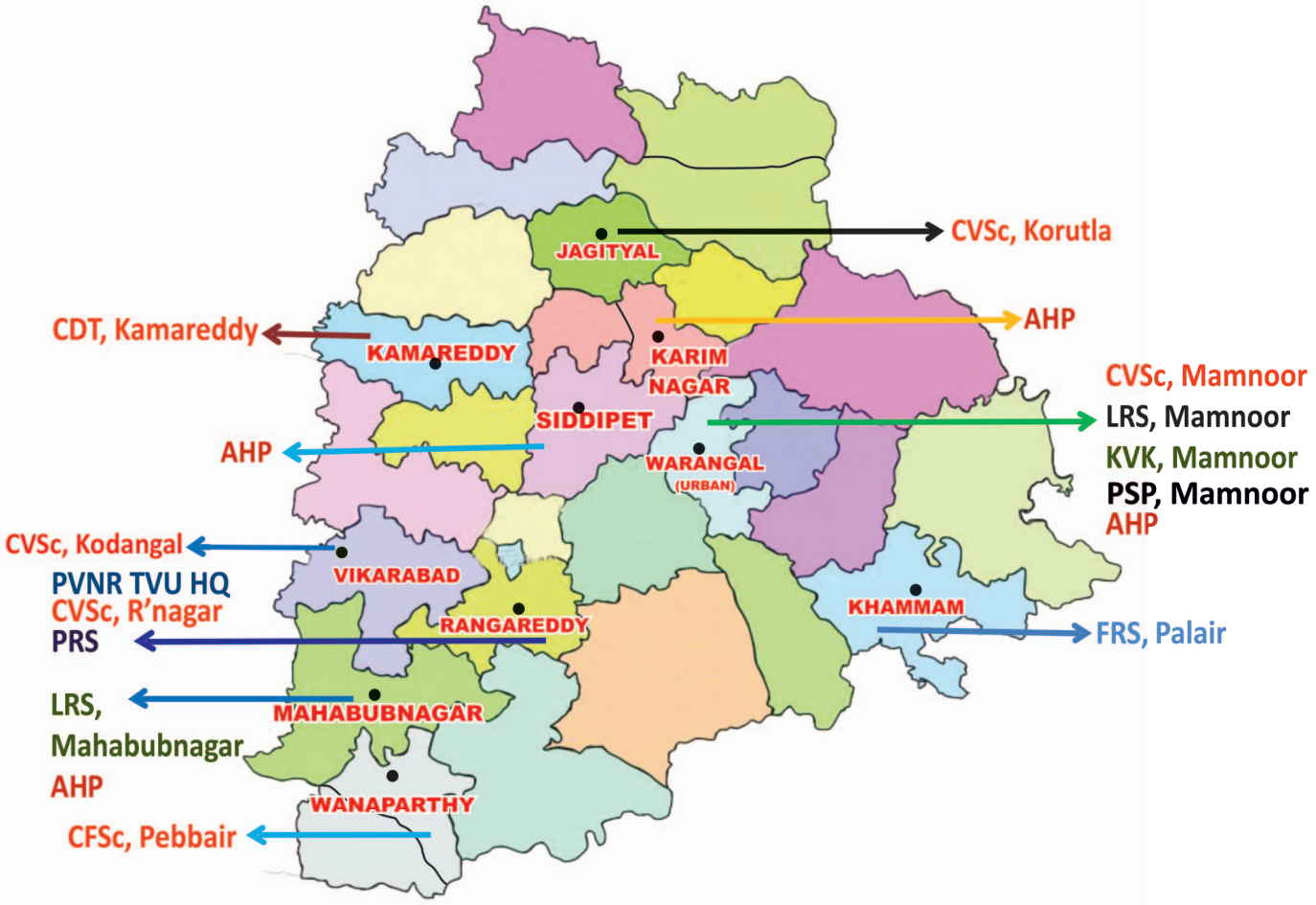
List of Gold Medal Awardees for 2024

S.No.	Name of Gold Medal	Name of the Student	ID No.
1	Late Smt. Deverapally Radhamma Gold Medal	Panyam Gopi Priya	RV/2019-052
2	Dr. P. Mahipal Reddy Gold Medal	Mendu Mounika	RVM/2022-001
3	Dr. V.D. Jatkar Gold Medal	Panyam Gopi Priya	RV/2019-052
4	Animal Genetics and Breeding Gold Medal	Talluri Sowjanya	WV/2019-032
5	RV 1968 Gold Medal	Panyam Gopi Priya	RV/2019-052
6	Dr. B. R. Ambedkar Gold Medal	Uggeri Laya	RV/2019-069
7	Mohammed Iqbal Ahmed Sheriff Gold Medal	Dathrika Shravan Kumar	DK/2020-016
8	Prof. Krothapalli Ravindranath Gold Medal	Korva Sathvika	PF/2020-008
9	Dr. D. K. Bidarkar Gold Medal	Arabati Sangeetha	WV/2019-027
10	Indian Immunologicals Limited Gold Medal	Panyam Gopi Priya	RV/2019-052
11	BMR Gold Medal	Polapelli Vaishnavi	KV/2019-050
12	Disha Gold Medal	Addanki Sailaja	WV/2019-025

List of University Meritorious Teacher Awards

S.No.	Name of the Teacher	Year
1	Dr. Anumolu Vijaya Kumar, Associate Professor, Department of Veterinary Public Health & Epidemiology, College of Veterinary Science, Mamnoor, Warangal	2023
2	Dr. Banothu Anil Kumar, Associate Professor, Department of Veterinary Pharmacology & Toxicology, College of Veterinary Science, Mamnoor, Warangal	2024

INSTITUTIONS IN
P V NARSIMHA RAO TELANGANA VETERINARY UNIVERSITY



CVSc - College of Veterinary Science
CDT - College of Dairy Technology
CFSc - College of Fishery Science

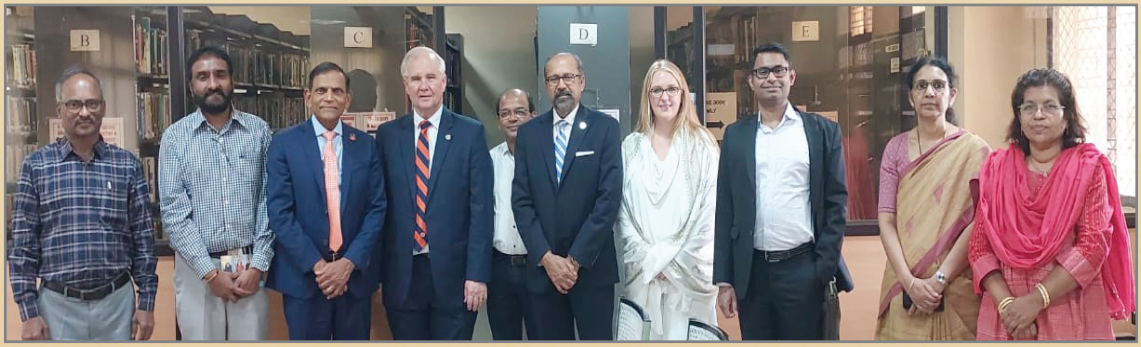
AHP - Animal Husbandry Polytechnic
LRS - Livestock Research Station
PRS - Poultry Research Station
FRS - Fishery Research Station
PSP - Poultry Seed Project

4th Intercollegiate Sports Meet of PVNRTVU, Hyderabad

Students participation at Yuva Utsav - 2024-25, PJTAU

VISIT OF FOREIGN DELEGATES TO PVNRTVU

G-20 Delegates at Livestock Farm Complex, Rajendranagar



Visit of Delegates from Auburn University, Alabama, USA

Inauguration of Blood Transfusion Unit by Sri. Sabyasachi Ghosh, IAS
Special Chief Secretary to Govt. of Telangana, Animal Husbandry and Fisheries
at Veterinary Clinical Complex, Rajendranagar

33rd National Congress of Veterinary Parasitology and
National Symposium - 2024 Organised by PVNRTVU

4th Convocation

P.V. NARSIMHA RAO TELANGANA VETERINARY UNIVERSITY

Rajendranagar, Hyderabad-500 030, Telangana

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