

TEC, ICAR-IVRI, Pune successfully organised a training programme on '*Lameness Management in Dairy Cattle*' during 28-30 January 2025

The Training and Education Centre, ICAR-IVRI, Pune, in collaboration with Krantisinth Nana Patil College of Veterinary Science (KNPCVS), Shirwal, Satara (Maharashtra), successfully organised a 3-day training programme on "*Lameness Management in Dairy Cattle*" from 28th to 30th of January 2025. The training was aimed at sensitizing and equipping veterinary practitioners with essential knowledge and practical skills for diagnosing, preventing and managing lameness in dairy cattle. Sixteen veterinary officers from the field, 11 from the state of Maharashtra and 5 from the state of Gujarat participated in the training. Several PG students from KNPCVS also actively participated in the training programme.

The training programme was inaugurated on 28th January in the presence of Chief Guest Dr HP Aithal, Principal Scientist & Station In-charge, TEC Pune. Dr Aithal briefed about the activities of the Centre and highlighted the importance of lameness management in dairy animals and its significant impact on the Indian economy. Dr MD Meshram, Associate Dean, KNPCVS, encouraged participants to actively engage in the training and emphasized the need to focus on management practices and nutritional aspects, which are the primary causes of lameness in dairy animals. The Course Director Dr VM Salunke, Professor, KNPCVS, provided an overview of the training programme, emphasizing the importance of such initiatives in enhancing veterinary expertise. Dr SK Das, Principal Scientist and Dr Sanghratna V Bahire Scientist from TEC Pune and the faculty and students from KNPCVS were also present. The inaugural session was efficiently compered by Dr Satyawan Agivale, who also extended the vote of thanks to the dignitaries and participants.



Inauguration of the training programme

The training programme was meticulously structured, combining theoretical lectures, practical demonstrations, and field visits. On the first day, Dr Shilpa Modekar, Associate Professor and Head, Department of Anatomy, KNPCVS, delivered an insightful session on the anatomical structure of bovine foot and its significance in the development of lameness. Dr Navdeep Singh, Professor and Head, Department of Surgery and Radiology, GADVASU, Ludhiana, explained the primary causes of lameness and its treatment in bovines. Dr Sameer Jadhav, Assistant Professor of Biochemistry, KNPCVS, provided a detailed understanding of biomechanics, animal gait posture, and its physiological consequences. Dr Sanghratna V Bahire, Scientist, TEC Pune, elaborated on the prevalence, epidemiology, and pathogenesis of lameness. The day's session concluded with a discussion on neurological disorders associated with lameness by Dr Satyawan Agivale, Asst. Professor, who also highlighted the diagnostic aspects.



Dr Shilpa Modekar delivering lecture on the anatomical structure of bovine foot

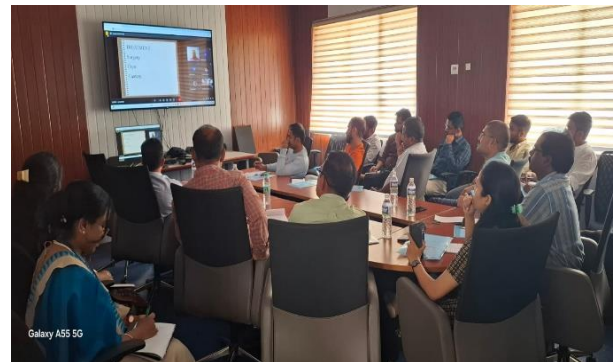


Dr Sameer Jadhav lecturing on biomechanics of lameness

On the second day, experts delved deeper into specific lameness conditions. The training session focused on pain assessment and management strategies. Dr VM Salunke, Professor of Surgery, explained methods for evaluating pain associated with lameness and discussed various treatment options. Dr HP Aithal discussed upper limb fractures related to lameness and their surgical management. The day concluded with a field visit and a demonstration of hoof trimming techniques, guided by Dr HP Aithal, Dr VM Salunke, Dr Shalaka A Chauhan and Dr Satyawan Agivale. A practical session on hoof trimming was conducted by Mr Nalband, providing hands-on training to the participants.



Dr Sanghratna V Bahire speaking on epidemiology and pathogenesis lameness



Online lecture by Dr Navdeep Singh on primary causes of lameness and its treatment



Dr Shalaka Chauhan delivering lecture on lameness related to digits and hoof



Dr VM Salunke, delivering lecture on pain associated with lameness and its management



Visit of participants to Karuna Gaushala for field visit and demonstrations



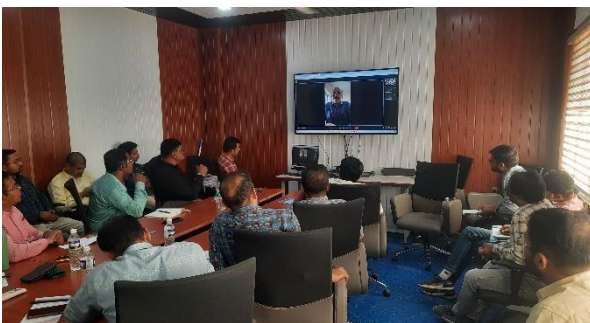
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Demonstration of hoof trimming in a cattle



Demonstration of hoof trimming and shoeing in a horse

On the final day, Dr Shalaka Chauhan provided an overview of common lameness issues related to digits and hoof, including interdigital fibroma and infectious claw diseases. Dr NM Dinesh, Senior Veterinary Surgeon from Kunigal Stud Farm (Karnataka), delivered an online session on equine laminitis and canker, covering treatment and management aspects. Dr Manjunath SP, Senior Veterinary Officer from Department of Animal Husbandry, Karnataka, provided a field veterinarian's perspective on identifying and managing different causes of lameness in large ruminants. The session also included discussions on joint affections related to lameness, followed by a practical demonstration on shoeing techniques by Dr VM Salunke, Dr Satyawan Agivale and Dr Sanghratna Bahire in the presence of Mr Mayuresh Kumar (Ferry expert).



Dr NM Dinesh, Chief Veterinary Surgeon, interacting with the participants online



Dr Manjunath SP delivering online lecture on field perspective



Participants' experience sharing

The valedictory session was graced by Honourable Vice-Chancellor of MAFSU, Dr Nitin V Patil, the Chief Guest of the function, who shared his experiences and success stories in the field, offering valuable insights to the participants. He also emphasized the role of nutritional management in preventing lameness. The Guest of Honour, Dr AU Bhikane, Director of Extension Education, MAFSU, acknowledged the organizers for conducting the training on this important area. He reflected on his extensive experience in veterinary practice and highlighted the significance of addressing lameness issues at the field level. Dr HP Aithal hoped that the training was beneficial and urged the participants to use the knowledge and skill gained in day to day clinical practice. During the occasion, the training manual was released by the Chief Guest and the dignitaries present. The Chief Guest distributed certificates to all the participants. Dr SK Das and Dr Sanghratna V Bahire from TEC Pune and the faculty and students of KNPCVS were also present during the function. Dr Satyawan Agivale compered the proceedings and proposed vole of thanks.

The participants, including Dr Satyajit Patil and Dr Omkar, expressed their gratitude for the comprehensive training. The visible enthusiasm and satisfaction on the faces of attendees reflected the programme's success.

The event was efficiently coordinated by Dr Sanghratna V Bahire (Scientist) from TEC Pune, and Dr Shalaka A Chauhan (Professor) and Dr Satyawan Agivale (Assistant Professor) from KNPCVS, who have ensured seamless conduction of lectures, practicals, and field visits.



Dr MD Meshram, Associate Dean welcoming the Chief Guest, Hon. Vice Chancellor of MAFSU, Dr NV Patil, and Address by the Chief Guest



Release of training manual by the Chief Guest



Distribution of certificates to the participants by the Chief Guest



Distribution of appreciation certificate to the faculty by the Chief Guest



Group photograph of the participants and faculty with the Chief Guest

The training programme provided an excellent platform for knowledge exchange, equipping professionals with enhanced skills for effective lameness management in dairy cattle. The organizers received positive feedback, reinforcing the need for such initiatives to improve livestock health and farm profitability. With the successful completion of this programme, TEC ICAR-IVRI Pune and KNP College of Veterinary Science, Shirwal pledged to continue their cooperation in strengthening continued veterinary education and extension activities.
