

**Report on**  
**One –Week Training Programme on**  
**Wildlife Health Management**  
**for**  
**Veterinarians**



- Organised by -

Balasaheb Thackeray Gorewada International Zoological Park  
& Wildlife Research and Training Center

- Sponsored by -

Maha CAMPA and Maharashtra Forest Department

**ONE-WEEK TRAINING PROGRAM ON**  
**WILDLIFE HEALTH MANAGEMENT**  
**FOR VETERINARIANS**

2<sup>nd</sup> to 6<sup>th</sup> Dec 2024



## **Preface**

Wildlife health management is an integral component of conserving biodiversity and ensuring the coexistence of humans and wildlife in a rapidly changing environment. Veterinarians play a pivotal role in this effort, serving as the frontline experts in diagnosing, managing, and mitigating health challenges faced by wild animals. To address this critical need, this training module has been specifically designed to empower veterinarians with the knowledge and skills required for effective wildlife health management. This training program encompasses a comprehensive range of topics essential for modern wildlife health practices. Participants will gain insights into common diseases in wildlife, understanding the epidemiology, clinical signs, diagnosis, and treatment of infectious, parasitic, and non-communicable diseases affecting wild animals. It also includes chemical restraint and immobilization, mastering the principles and techniques of chemical immobilization, including the selection of drugs, dosages, equipment, and safety protocols for both animals and handlers. Wildlife forensics is another focus, with participants acquiring skills to assist in the investigation of wildlife crimes, such as poaching and illegal trade, by identifying evidence and performing necropsies. The program further delves into disease monitoring and surveillance, developing strategies for proactive disease monitoring, outbreak investigation, and surveillance programs to safeguard wildlife populations and prevent zoonotic diseases. A One Health approach is emphasized, highlighting the interconnectedness of human, animal, and environmental health, fostering multidisciplinary collaboration to address complex health challenges. This program combines theoretical knowledge with practical hands-on training, ensuring participants are equipped to handle real-world scenarios. Expert instructors with extensive experience in wildlife health and management will guide participants through case studies, field exercises, and discussions, fostering an engaging learning environment. By the end of this training, veterinarians will be better prepared to contribute effectively to wildlife conservation initiatives, enhance the health of wild animal populations, and promote harmonious human-wildlife interactions. We hope this program will serve as a valuable stepping stone in your journey toward becoming an advocate and practitioner of wildlife health management.

Mahacampa, an initiative by the Maharashtra Forest Department, provided financial support to training programme on Wildlife Health Management for veterinarians. This program aims to enhance veterinary expertise in diagnosing and managing wildlife diseases, conducting post-mortem examinations, and understanding zoonotic risks. The training also addresses disease surveillance, monitoring, and the impact of wildlife trade on health. Mahacampa fosters collaboration between veterinarians and forest officials, strengthening efforts to safeguard biodiversity and promote coexistence.



## **Inauguration and Overview of the Training**

The inaugural session of the week long 'Wildlife Health Management' Training for Veterinarians was held at the Conference Hall, Divisional Manager, Gorewada Project, Nagpur on a vibrant and auspicious morning of 2<sup>nd</sup> December 2024. The event commenced with a warm welcome extended to all dignitaries, trainers, and participants by the host, Dr. M.D. Pawshe. Setting the stage for the program, Dr. Pawshe provided an insightful introduction to the training's objectives, focusing on critical themes such as wildlife forensics, disease monitoring, and chemical restraint techniques.

The occasion was graced by the presence of Shri. S. S. Bhagwat the Zoo Director of Balasaheb Thackeray Gorewada International Zoological Park, (BTGIZP), Nagpur, and Dr. S.V. Upadhye, the Director of WRTC, Nagpur. Their presence underscored the significance of the training initiative. The session began on a traditional note with the dignified lighting of the ceremonial lamp, symbolizing knowledge, learning, and enlightenment.

In their keynote addresses, the Zoo Director and the Director of WRTC highlighted the pressing need for specialized training in wildlife health management. They elaborated on the challenges posed by emerging wildlife diseases, the importance of ethical and effective chemical restraint practices, and the role of forensic investigations in curbing wildlife crime. Their speeches inspired participants to embrace a multidisciplinary approach, emphasizing collaboration between veterinarians, ecologists, and law enforcement agencies.

The session was marked by an interactive atmosphere, with participants engaging actively and expressing enthusiasm for the training's diverse modules. The overview of the training program provided clarity on the practical and theoretical components, ensuring participants were well-prepared for the upcoming sessions.

The event concluded with a heartfelt vote of thanks delivered by the organizers. Gratitude was extended to all the dignitaries for their valuable guidance, to the participants for their keen interest, and to the organizing team for their meticulous planning and execution. The inauguration successfully set an inspiring tone, creating a sense of purpose and excitement among all attendees. It laid a robust foundation for the comprehensive training program aimed at equipping veterinarians with essential skills for wildlife health management.

### List of Participants

<b>Sr. No</b>	<b>Name of the Participant</b>	<b>Organization</b>	<b>Designation</b>
1	Dr. Dipika Valsarajan K	Veermata Jijabai Bhosale Botanical Udyan and Zoo, Mumbai	Veterinary Officer
2	Dr Komal Raul	Veermata Jijabai Bhosale Botanical Udyan and Zoo, Mumbai	Deputy Supdt. Vet. Zoo
3	Dr. Abhijit B Motghare	Maharajbag Zoo, Nagpur	Veterinary Officer
4	Dr. Vinaya Rudhil Jangle	Sanjay Gandhi National Park, Borivali, Mumbai	Veterinary Officer
5	Dr. Chandrakant Ramkrushna Dhandar	Transit Treatment Centre Paratwada, Dist. Amravati	Veterinary Officer
6	Dr. Mahesh Yamche	Elephant Camp Kamlapur, Sironcha Forest Division	Veterinary Doctor
7	Dr. Rohini Dadabhai Tembhurne	APCCF(WL) East, Nagpur	Veterinary Officer (Wildlife)
8	Dr Kundan Podchalwar	Transit Treatment Centre, Chandrapur, Forest division	Veterinary Officer
9	Dr. Ravikant S.Khobragade	Tadoba Andhari Tiger Reserve, Chandrapur, Maharashtra	Veterinary officer (Wildlife) & Head, Rapid Rescue Team, TATR
10	Dr. Shital Dnyaneshwar Wankhede	Department of Animal Husbandry	Livestock Development Officer
11	Dr. Vinay Mohan Jagdhane	Department of Animal Husbandry	Livestock Development Officer
12	Dr Vitthal Bhanudas Hatwar	Department of Animal Husbandry	Livestock Development Officer
13	Dr. Snehal Mukesh Wasnik	Department of Animal Husbandry	Livestock Development Officer
14	Dr. Manoj Motilal Donadkar	Department of Animal Husbandry	Livestock Development Officer
15	Dr. Ravindra Eknath Mandekar	Department of Animal Husbandry	Livestock Development Officer
16	Dr. Shraddhyey	Department of Animal	Livestock



	Sharad Shirankar	Husbandry	Development Officer
17	Dr Satish Kashinath Aghadate	Department of Animal Husbandry	Livestock Development Officer
18	Dr. Ashwin Chopade	Department of Animal Husbandry	Livestock Development Officer
19	Dr. Amit Chandrabhan Lohakare	Department of Animal Husbandry	Livestock Development Officer
20	Dr. Rajendra Gajanan Ghumde	Department of Animal Husbandry	Livestock Development Officer
21	Dr. Gunjan Dhote	Department of Animal Husbandry	Livestock Development Officer

### **Ice breaking session: setting the tone for training**

The training began with an engaging ice-breaking session designed to set a positive and interactive tone for the program. Fun and creative activities were conducted to help the trainees relax, build rapport, and foster a sense of camaraderie among participants. This session encouraged open communication and eased initial hesitations, ensuring participants felt comfortable and connected. By facilitating introductions in an enjoyable way, the session laid the groundwork for collaborative learning throughout the training.

### **Day 1: Highlights**

The first technical session, conducted by Dr. S.V. Upadhye, provided an overview of wildlife health, focusing on critical indicators and ecological factors impacting animal well-being. The subsequent session by Dr. V.M. Dhoot focused on common diseases in wild felines, such as tigers and leopards, covering viral, bacterial, and parasitic infections. After lunch, Dr. Shalini A.S. delivered an informative talk on diseases affecting wild canids, emphasizing zoonotic risks and specific diseases like rabies and distemper. Participants gained insights into disease identification and management strategies. In the afternoon, Dr. N.V. Kurkure presented a detailed session on the principles of post-mortem examinations, offering a step-by-step guide to conducting necropsies on wildlife. This was followed by a practical session on chemical restraint, led by Dr. S.V. Upadhye, who discussed drug selection, dosages, and legal considerations for immobilizing wild animals. The day concluded with a hands-on workshop facilitated by Dr. Mayur Pawshe, where participants learned about tranquilization equipment, dart making, and drug filling techniques. Day 1 set a strong foundation for the rest of the training, blending theoretical knowledge with practical skills essential for wildlife health management.



## **Glimpses of the inaugural session of the week long training on Wildlife Health Management for Veterinarians.**



**Group Photo of the Participants after the inaugural session**

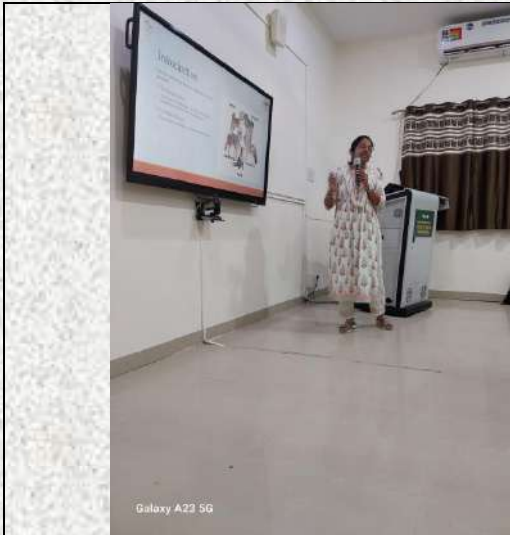




## **Day 2: Highlights**

On day 2 of the Wildlife Health Management Training, the sessions began with a focus on practical techniques and critical skills in wildlife health management. Dr. P.M. Sonkusale initiated the day with a session on sample collection techniques, highlighting methods for collecting blood, tissue, and fecal samples from different species. The discussion included protocols for handling and transporting samples to ensure their integrity for diagnostic purposes. The second session, led by Dr. S.M. Kolangath and Dr. A.P. Gawande, covered disease monitoring and surveillance systems in wildlife. This session delved into the identification and reporting of common wildlife diseases, along with strategies for early detection and response to outbreaks. The speakers emphasized the importance of systematic monitoring to safeguard animal populations and prevent zoonotic disease transmission. Following a tea break, a practical field simulation on forensic sample collection was conducted under the guidance of Dr. Sujit Kolangath. This session provided hands-on experience, simulating real-world conditions where participants practiced techniques for collecting evidence and samples critical to wildlife crime investigations. Post-lunch, Dr. A.S. Shalini introduced the use of ECG in detecting ailments in wildlife. This session demonstrated how ECG techniques could be applied to diagnose cardiac abnormalities in both small and large animals, expanding participants' diagnostic capabilities. Dr. S.M. Kolangath returned to deliver a session on molecular diagnostics in wildlife disease management, introducing advanced tools such as PCR, ELISA, and sequencing. This session explored the applications of molecular techniques in diagnosing complex diseases, underscoring the role of technology in modern wildlife health management. The day concluded with a practical session on chemical immobilization led by Dr. Bhagyashree Bhadane, Dr. Mayur Pawshe, and Dr. Sujit Kolangath. Participants gained hands-on experience in administering immobilizing agents, mastering darting techniques, and understanding the legal and ethical considerations involved. This immersive experience reinforced theoretical learning and equipped participants with vital skills for field application, making Day 2 a highly productive and interactive component of the training program.





**Faculty of WRTC Dr. Shalini A.S. delivering the lecture on diseases on canids.**



**Practical on the Post mortem examination of birds.**



**Faculty of WRTC Dr. Sujit Kolangath delivering the lecture**



**Field Simulation: Forensic sample collection**



**Field Simulation: Forensic sample collection**



**Field Simulation: Forensic sample collection**



**Glimpses of the Chemical Immobilisation Practical during the week long training on Wildlife Health Management for Veterinarians.**



**Air rifle targets for practice session**



**Machan for the field simulation to dart large cats**



**Shri. Udhamsingh Yadav training the trainees on the use of air gun**



**Shri. Udhamsingh Yadav training the trainees on the use of air gun**



**Demonstration of Dart filling by faculty of WRTC**



**Demonstration of blow pipe by the faculty of WRTC**





**Participants attempting to dart from the Machan**



**Participants attempting to dart from the Machan**





### **Day 3: Highlights**

On day 3 of the Wildlife Health Management Training, the focus shifted toward advanced diagnostic techniques and practical strategies for addressing wildlife challenges. The day began with a session on modern imaging techniques, presented by Dr. S.V. Upadhye. This session explored the use of ultrasonography (USG) and radiography in diagnosing health issues in wildlife, emphasizing their utility in non-invasive diagnostics for diverse species. The second session, led by Dr. Bhagyashree Bhadane, provided a detailed overview of administering chemical and physical restraint in wildlife management. Techniques involving the use of ropes, cages, darting equipment, and injections were demonstrated, with an emphasis on safety and animal welfare. Participants gained insights into the ethical considerations and precision required for successful restraint. Following a tea break, Shri S.S. Bhagwat, Divisional Manager, Gorewada Project, Nagpur delivered a session on 'Insights from the field'. Drawing from real-world field experiences, he discussed strategies for mitigating human-wildlife conflicts, including rapid response measures and collaboration with local communities. His presentation highlighted practical approaches for managing conflict scenarios while ensuring the safety of both humans and animals. In the latter half of the day, participants were treated to a guided tour of Titralmangi in Pench Tiger Reserve, Maharashtra, led by Dr. Mayur Pawshe. This immersive experience allowed participants to witness wildlife in its natural habitat and understand the ecological dynamics of a tiger reserve. The field visit reinforced classroom learning by providing practical exposure to conservation efforts and wildlife behavior. Day 3 combined theoretical learning with hands-on applications and field experiences, equipping participants with a well-rounded understanding of wildlife health management techniques and conflict resolution strategies. The day concluded with participants reflecting on their experiences and discussing insights gained from both the sessions and the field visit.



**Glimpses of the Chemical Immobilisation Practical during the week long training on Wildlife Health Management for Veterinarians.**



**Participants enjoy canter ride to Titralmangi from Sillari Amaltas**



**Dr. Mayur Pawshe briefing the participants on the rewilding operation of tigers**



**Dr. Mayur Pawshe briefing the participants on the rewilding operation of tigers**



**Group Photo at the Rewilding site**



**Participants enjoying refreshing tea at Amaltas**



**A light moment during the return journey**



## **Day 4: Highlights**

The day 4 of the training began with an insightful session on common diseases in birds, led by Dr. V.M. Dhoot. Participants explored key ailments affecting raptors, waterfowl, and urban bird species, with a strong emphasis on zoonotic risks and their implications for wildlife health management. This was followed by an engaging session on wildlife toxicity, where Dr. P.M. Sonkusale shed light on the impact of agrochemical poisoning on wildlife. Attendees learned about post-mortem changes, effective sample collection, packaging, and dispatch methods to aid in investigations.

After a refreshing tea break, Dr. Manoj Patil took the stage to discuss breeding management in captivity, delving into the complexities of breeding cycles, heat detection, and the challenges faced in maintaining genetic diversity. Following a hearty lunch, attention shifted to the documentation of wildlife deaths. Drs. A.P. Gawande and Sujit Kolangath highlighted the ethical and legal responsibilities involved, stressing the importance of meticulous record-keeping and the role of such documentation in legal cases and research.

The next session, led by the same experts, was a deep dive into zoonotic diseases and wildlife public health. Case studies of zoonotic outbreaks provided real-world context, showcasing how these events impact both animal populations and human communities. After a brief tea break, the day culminated in a thrilling safari at BTGIZP, Nagpur, organized by Dr. Mayur Pawshe. This practical field experience allowed participants to immerse themselves in the natural habitat of wildlife, applying their knowledge to observe animal behavior and ecosystem dynamics in a controlled yet vibrant setting.



**Shri. S.S. Bhagwat discussing field experiences**



**Dr. Manoj Patil discussing minutes of captive breeding**



**Hands on practical of Ultrasound examination under the guidance of Dr. S.V. Upadhye, Director, WRTC, Nagpur**



**Visit to Balasaheb Thackeray Gorewada International Zoological Park, Nagpur**



**Felicitation of the guest speaker Dr. Megha Kaore**



## **Day 5: Highlights**

The day 5 of the training program began with an insightful session on diseases affecting wild and exotic birds, presented by Dr. Megha Kaore. Participants explored various diseases commonly observed in wild avian species, such as viral, bacterial, and fungal infections, along with parasitic infestations. The session also included an in-depth explanation of post-mortem techniques specific to birds, highlighting how to identify lesions and other diagnostic clues to determine the cause of death. Practical examples and case scenarios enriched the learning experience, helping participants bridge theory with application.

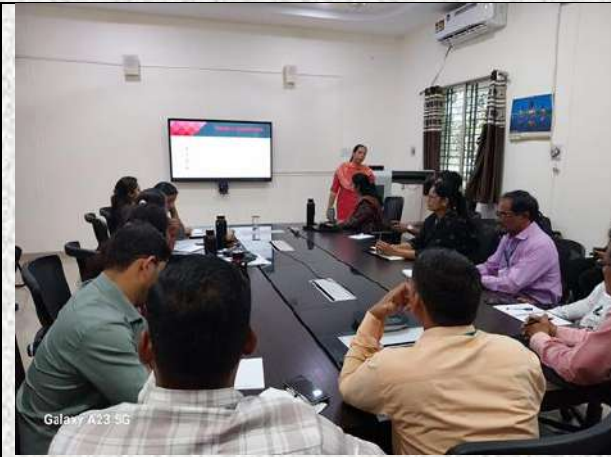
The second session, conducted by Dr. S.V. Upadhye, focused on the rehabilitation and release of wild animals. This segment detailed the rehabilitation process, including medical care, behavioral assessments, and criteria for determining when an animal is fit to return to the wild. Dr. Upadhye also discussed ethical considerations, challenges faced during rehabilitation, and the importance of post-release monitoring to ensure the animal's survival and integration into its natural habitat.

Following a short tea break, participants engaged in a dynamic session led by Dr. Shalini A.S., featuring case discussions on wildlife disease management. Real-world case studies of disease outbreaks in wildlife were presented, illustrating the diagnostic process, challenges in treatment, and the critical role of interdisciplinary collaboration in resolving complex cases. The interactive nature of the session encouraged participants to analyze cases critically and propose solutions.

After a lunch break, the focus shifted to a hands-on practical drill led by Dr. V.M. Dhoot. Participants were guided through a comprehensive wildlife health examination, which included physical assessment, blood sample collection, fecal sampling, and the formulation of a treatment plan based on diagnostic findings. This session emphasized precision and thoroughness, equipping attendees with the skills necessary for conducting health checks in field conditions.

The final part of the day was a review and open discussion session. Participants revisited key concepts from the five-day training, clarified doubts, and shared their reflections. The discussion fostered a collaborative environment, allowing participants to exchange ideas and learn from each other's experiences. Certificates of completion were then distributed, recognizing the participants' commitment to advancing their knowledge in wildlife health management. The program concluded with heartfelt concluding remarks from the organizers, who emphasized the significance of continued learning and teamwork in wildlife conservation. This final day provided a well-rounded culmination to the training, blending advanced knowledge with practical skills and thoughtful reflection, ensuring participants left with a strong foundation to contribute to wildlife health and conservation efforts.





**Dr. Madhuri Hedau discussing toxicity issues in wildlife**



**Open Discussion with faculty, organisers and trainees of WHM 2024**



**Certificate Distribution**



**Certificate Distribution**



## **Detailed Feedback Analysis with Section-Wise Breakdown**

The feedback analysis session at the Wildlife Research & Training Centre (WRTC) was a significant event, graced by Chief Executive Officer Shri. Chandrasekaran Bala N, Director of WRTC Dr. Shirish Upadhye, and Zoo Director of BTGIZP Shri. S.S. Bhagwat. Participants unanimously appreciated the comprehensive structure of the five-day program, which effectively combined theoretical insights with practical applications. Sessions on wildlife health management, zoonotic diseases, post-mortem techniques, and rehabilitation were particularly praised for their relevance and depth. The expertise of the trainers, including veterinarians and wildlife specialists, was highly commended, with interactive teaching, real-life case studies, and hands-on activities like health examinations, tranquilization techniques, and field simulations being deemed critical for skill development. The infrastructure and support provided by WRTC, including training venues, laboratories, and logistics, were acknowledged for ensuring a seamless learning experience. Suggestions for improvement included extending time for field-based activities and incorporating more diverse topics, such as forensic wildlife studies and advanced molecular diagnostics. Shri. Chandrasekaran Bala N emphasized the pivotal role of such training programs in developing skilled professionals for wildlife conservation, urging participants to apply their knowledge in real-world scenarios. Dr. Shirish Upadhye reaffirmed WRTC's commitment to innovation in wildlife research and training, while Shri. S.S. Bhagwat highlighted the importance of institutional collaboration to address wildlife health challenges. The session concluded with a vote of thanks, with all stakeholders agreeing that the feedback would serve as a cornerstone for refining future training initiatives, ensuring alignment with the dynamic demands of wildlife conservation and veterinary science. The following points were highlighted:

### **1. Content Evaluation**

#### **Key Findings:**

- **Strengths:**
  - Sessions on diseases in felines, canids, and birds were found relevant.
  - Case studies and practical sessions enhanced knowledge retention.
  - Participants appreciated the clarity of objectives and the overall content structure.
- **Areas for Improvement:**
  - Requests for advanced topics like reptile medicine, modern imaging techniques, and forensics in wildlife health.
  - Need for a broader range of disease management topics, including disease ecology and epidemiological studies.



## **Action Points:**

### **1. Enhance Curriculum:**

- Introduce advanced modules on reptile health and wildlife imaging techniques.
- Add a section on wildlife forensics, focusing on legal documentation and ethical considerations.
- Include hands-on case discussions with imaging and diagnostic equipment.

### **2. Incorporate Field-Specific Topics:**

- Emphasize disease ecology and its impact on wildlife management.
- Offer scenario-based learning for veterinarians to simulate real-world challenges.

## **2. Instructor Evaluation**

### **Key Findings:**

#### **• Strengths:**

- Trainers were recognized for their expertise and engagement.
- Clarity in communication and interactive delivery were commended.

#### **• Areas for Improvement:**

- Some participants felt the practical sessions lacked field-oriented depth.
- Requests for more demonstrations on live cases (e.g., immobilization, patient monitoring).

### **Action Points:**

#### **1. Increase Real-World Exposure:**

- Incorporate live demonstrations, such as tranquilization of deer or monkeys under field conditions.
- Use real case scenarios for diagnostic procedures and forensic sample collection.

#### **2. Feedback Integration:**

- Conduct post-session feedback for participants to highlight areas of confusion.
- Trainers should adapt to specific gaps identified during the training.

#### **3. Interactive Learning:**

- Host Q&A and discussion sessions post-lecture to encourage deeper understanding.

## **3. Logistics and Organization**

### **Key Findings:**

#### **• Strengths:**

- Conference facilities and basic logistics were satisfactory.
- Participants appreciated smooth registration and communication processes.

#### **• Areas for Improvement:**

- Suggestions for better accommodation facilities and diverse food options.



- Calls for more training at wildlife habitats instead of conference-based settings.

**Action Points:**

**1. Enhance Accommodation and Amenities:**

- Provide well-equipped lodging with comfortable facilities for participants.
- Cater to dietary preferences, including non-vegetarian options.

**2. On-Field Training Locations:**

- Host future sessions at wildlife reserves or zoos to align training with field realities.
- Arrange field visits for practical learning on animal health, forensics, and diagnostics.

**4. Training Impact**

**Key Findings:**

• **Strengths:**

- Participants expressed increased confidence in handling wildlife health scenarios.
- Many found the knowledge applicable to their current work settings.

• **Areas for Improvement:**

- Interest in learning advanced diagnostic tools, molecular biology, and disease prevention strategies.
- Desire for more practical content over theoretical lectures.

**Action Points:**

**1. Advanced Follow-Up Modules:**

- Develop training on molecular diagnostics, zoonotic disease management, and advanced field techniques.

**2. Practical Over Theoretical:**

- Limit theoretical sessions and maximize time spent on hands-on training.
- Provide case-based discussions and interactive workshops on sample collection and post-mortem analysis.

**5. Overall Feedback and Suggestions**

**Key Findings:**

• **Strengths:**

- Participants appreciated the dedicated support and on-point knowledge sharing by trainers.
- Hands-on activities were well-received, and the content was described as field-oriented.

• **Areas for Improvement:**

- Requests for detailed training manuals, checklists, and reference material for future use.
- Suggestion for periodic refresher courses and combined training sessions for wildlife and zoo veterinarians.

**Action Points:**

**1. Comprehensive Training Resources:**

- Distribute a detailed manual covering topics such as disease diagnosis, forensic techniques, and wildlife restraint methods.
- Ensure resources are easily accessible in digital formats.



## 2. **Periodic Trainings:**

- Schedule annual or bi-annual refresher courses.
- Introduce thematic workshops focusing on specific skills, such as anaesthesia and wildlife forensics.

## 3. **Collaborative Training Sessions:**

- Plan combined training for zoo and wildlife veterinarians to share cross-disciplinary knowledge.

### **Summary of Immediate Next Steps**

- **Curriculum Enhancements:** Focus on advanced topics like molecular techniques, imaging, and forensic diagnostics.
- **Practical Improvements:** Shift emphasis to hands-on training and field-based demonstrations.
- **Logistical Upgrades:** Improve accommodation and diversify food options for participants.
- **Resource Development:** Create detailed study materials and training manuals.
- **Follow-Up Plans:** Schedule follow-up modules and collaborative sessions for continuous learning.



## Feedback from the Participants:



**Shital Wankhede LdO**

Thanks to team WRTC for arranging such a wonderful training. The session was informative and practical session will be useful in field. Overall arrangement including food and lodging was soo good 😊 once again thank you 🌸🌸🌸

10:53 am

**Vinay Jagdhane LDO**

डब्ल्यू आर टी सी टीम गोरेवाडा आपणा सर्वांचे मनःपूर्वक आभार 🙏 फिल्डवर काम करताना नेहमी वन्यप्राण्यांशी निगडित केसेस हाताळताना अनेक गोष्टी माहीत नसायच्या, अगोदरचे अधिकारी जसे करत आले तसेच आम्हीपण फॉलो करत होतो पण इथे आल्यावर अनेक नवीन गोष्टी शिकायला तर मिळाल्याच पण आम्ही कुठे चुकत होतो हे ही कळाले. सर्वात महत्त्वाचे म्हणजे कागदपत्रे, पत्रव्यवहार, पंचनामे यांच्याशी निगडित नियमांविषयी शंका दूर झाल्या. वन्य प्राण्यांचे वेगवेगळे रोग व त्यांचे उपचार याविषयी सखोल मार्गदर्शन मिळाले. ट्रान्सक्यूलायझेशन, पोस्टमार्टम आणि एक्स-रे सोनोग्राफी यांचे प्रात्यक्षिक करायला मिळाले. सर्व सत्रे अतिशय चांगली असल्याने पाच दिवस कसे गेले कळलेच नाही. विविध क्षेत्रात कार्यरत पशुवैद्यकीय अधिकाऱ्यांशी चर्चा, त्यांची मते आणि अनुभव यांची देवाण-घेवाण झाली. भेटवस्तू देताना पण अतिशय विचारपूर्वक उपयोगी येतील अशा बाटली व मेडिकल किट दिल्याबद्दल आपले खूप खूप आभार 😊. राहण्याचे व जेवणाचे नियोजन सुद्धा चांगले झाले. नक्कीच आता फिल्डवर परतल्यावर आम्ही वन्य प्राण्यांशी निगडित केसेस आत्मविश्वासाने हाताळू, तसेच तपासणीसाठी आवश्यक नमुने गोरेवाडा येथील प्रयोगशाळेमध्ये पाठवू. पुनःश्च आपणा सर्वांचे खूप खूप आभार व शुभेच्छा 🌸

2:24 pm

~ manojdonadkar7 +91 77209 11689

Thank you so much respected team WRTC 🌸🙏 for all the arrangements and management , to make this training successful ❤️

Really..this training will be very useful for us , All the sessions was knowledgeable, practical sessions definitely will be helpful, The kind of hands on we got on Darting sessions ,post mortem examination session,USG session was really great and much needed 🌸🌸

Special mention about food and lodging... Really the food was very delicious 😊 and lodging was also more than expectations... Once again thank you So much ❤️🌸🌸

The coordination among the team during whole training was really great 🙏

Best wishes for upcoming new sessions 🌸🌸🌸

11:15 pm



2



## Programme Outline

<b>02/12/2024: Day 1</b>		
<b>Time</b>	<b>Particulars</b>	<b>Description</b>
<b>09:00 AM – 09:30 AM:</b>	<b>Inauguration and Overview of the Training</b> <b>Host:</b> <b>Dr. M.D. Pawshe</b>	Introduction to the program, objectives, and key topics in wildlife forensics. <b>Guests:</b> Zoo Director, BTGIZP, Nagpur Director, WRTC, Nagpur <b>Venue:</b> Conference Hall, DM Office, Gorewada Project. <ul style="list-style-type: none"> <li>• Welcome</li> <li>• Lighting of Lamp</li> <li>• Addresses</li> <li>• Vote of Thanks</li> </ul>
<b>09:30 AM – 10:15 AM:</b>	<b>Session 1 – Ice-Breaking</b> <b>Speaker: Outsourced</b>	Engaging in fun activities to help participants get to know each other.
<b>10:15 AM – 10:30 AM: Tea Break</b>		
<b>10:30 AM – 11:15 AM</b>	<b>Session 2 – Overview of Wildlife Health</b> <b>Speaker: Dr. S.V. Upadhye</b>	Introduction to wildlife health indicators and key ecological factors.
<b>11:15 AM – 12:30 PM</b>	<b>Session 3 – Common Diseases in Wild Felines</b> <b>Speaker: Dr. V.M. Dhoot</b>	Focus on viral, bacterial, and parasitic diseases in large felines like tigers and leopards.
<b>12:30 PM – 01:30 PM: Lunch Break</b>		
<b>01:30 PM – 02:45 PM</b>	<b>Session 4 – Common Diseases in Canids</b> <b>Speaker: Dr. Shalini A.S.</b>	Discussion of diseases affecting wild canids like rabies, distemper, and zoonotic risks.
<b>02:45 PM – 03:45 PM</b>	<b>Session 5 – Principles of Post-mortem Examination</b> <b>Dr. N.V. Kurkure</b>	Conducting a step-by-step necropsy on wildlife.
<b>03:45 PM – 04:00 PM Tea Break</b>		
<b>04:00 PM – 04:45 PM</b>	<b>Session 6 – Principles of Chemical Restraint</b> <b>Dr. S.V. Upadhye</b>	Overview of drug types, dosages, and legal considerations.



04:45 PM – 05:30 PM	<b>Practical: Tranquilization equipment, Dart Making and Drug Filling</b> <b>Speaker: Dr. Mayur Pawshe</b>	
<b>03/12/2024: Day 2</b>		
09:00 AM – 09:45 AM	<b>Session 1 – Sample Collection Techniques, Handling and Transportation of Samples</b>  <b>Dr. P.M. Sonkusale</b>	Blood, tissue, and fecal sample collection techniques for different species.
09:45 AM – 10:45 AM	<b>Session 2 – Diseases Monitoring &amp; Surveillance systems in Wildlife</b>  <b>Dr. S.M. Kolangath Dr. A.P. Gawande</b>	Common diseases in wildlife, its diagnosis and reporting
<b>10:45 AM – 11:00 AM Tea Break</b>		
11:00 AM – 12:30 PM	<b>Practical Session – Field simulation Forensic Sample collection</b> <b>Dr. Sujit Kolangath</b>	Practice sample collection under field conditions.
<b>12:30 PM – 01:30 PM Lunch Break</b>		
01:30 PM – 02:30 PM	<b>Session 3 – Use of ECG in detecting ailments in wildlife</b>  <b>Dr. A.S. Shalini</b>	Use of ECG in small and large animals to detect heart abnormalities.
02:30 PM – 03:30 PM	<b>Session 4 – Molecular Diagnostics in Wildlife Disease</b> <b>Dr. S.M. Kolangath</b>	Applications of PCR, ELISA, Sequencing and molecular techniques in wildlife health.
<b>03:30 PM – 03:45 PM Tea Break</b>		
03:45 PM – 05:45 PM	<b>Practical Session: Chemical Immobilization</b> <b>Dr. Bhagyashree Bhadane Dr. Mayur Pawshe Dr. Sujit Kolangath</b>	
<b>04/12/2024: Day 3</b>		



09:00 AM – 10:00 AM	<b>Session 1 – Modern Imaging Techniques in wildlife and its utility in diagnosis</b> <b>Speaker: Dr. S.V. Upadhye</b>	Use of USG and Radiography in wildlife
10:00 AM – 11:00 AM	<b>Session 2 – Administering Chemical and Physical Restraint</b>  <b>Dr. Bhagyashree Bhadane</b>	Techniques for administering chemical and physical restraint (Ropes, cages, darting, injections).
<b>11:00 AM – 11:15 AM Tea Break</b>		
11:15 AM – 12:30 PM	<b>Session 3- Wildlife Conflict – Insights From the Forest Department</b> <b>Shri. S.S. Bhagwat</b>	Handling conflict in field condition.
12:40 PM onwards	<b>Lunch &amp; Tour to Titralmangi, Pench Tiger Reserve, Maharashtra</b>  <b>Dr. Mayur Pawshe</b>	
<b>05/12/2024: Day 4</b>		
09:00 AM – 10:00 AM:	<b>Session 4 – Common Diseases in Birds</b>  <b>Speaker: Dr. V.M. Dhoot</b>	Key diseases in raptors, waterfowl, and urban birds, including zoonotic implications.
10:00 AM – 11:00 AM:	<b>Session 5 – Incidences of Toxicity in Wildlife and their investigation</b>  <b>Dr. P.M. Sonkusale</b>	Toxicity of agrochemicals, post mortem changes, sampling, packaging and dispatch of samples.
<b>11:00 AM – 11:15 AM: Tea Break</b>		
11:15 AM – 12:30 PM:	<b>Session 6 – Breeding of Wildlife in captivity.</b>  <b>Dr. Manoj Patil</b>	Aspects of Breeding management, heat detection, etc
<b>12:30 PM – 01:30 PM: Lunch Break</b>		
01:30 PM – 02:30 PM:	<b>Session 7 – Documenting Wildlife Deaths</b>  <b>Dr. A.P. Gawande Dr. Sujit Kolangath</b>	Legal and ethical considerations for documenting wildlife deaths.



<b>02:30 PM – 03:30 PM</b>	<b>Session 8 – Zoonotic Diseases and Wildlife Public Health</b>  <b>Dr. Sujit Kolangath</b> <b>Dr. A. P. Gawande</b>	Case studies of zoonotic outbreaks and public health impacts.
<b>03:30 PM – 03:45 PM: Tea Break</b>		
<b>03:45 PM – 05:30 PM</b>	<b>Safari at BTGIZP, Nagpur</b> <b>Dr. Mayur Pawshe</b>	
<b>06/12/2024: Day 5</b>		
<b>09:00 AM – 10:00 AM</b>	<b>Session 1: Wild and exotic bird diseases and post mortem investigations.</b>  <b>Dr. Megha Kaore</b>	Important wild birds diseases and investigations.
<b>10:00 AM – 11:00 AM:</b>	<b>Session 2 – Rehabilitation and Release of Wild Animals</b>  <b>Speaker: Dr. S.V. Upadhye</b>	Best practices for rehabilitation and criteria for release.
<b>11:00 AM – 11:15 AM: Tea Break</b>		
<b>11:15 AM – 12:30 PM</b>	<b>Session 3 – Case Discussion: Case Studies in Wildlife Disease Management</b>  <b>Speaker: Dr. Shalini A.S.</b>	Real-life case discussions on diagnosing wildlife diseases.
<b>12:30 PM – 01:15 PM: Lunch Break</b>		
<b>01:15 PM – 03:00 PM</b>	<b>Practical Drill – Comprehensive Wildlife Health Examination</b> <b>Speaker: Dr. V.M. Dhoot</b>	Full health check-up, sample collection, and treatment plan development.
<b>03:00 PM – 03:15 PM: Tea Break</b>		
<b>03:15 PM – 04:30 PM</b>	<b>Final Review and Open Discussion</b>	Open Q&A and review of key lessons from the training.
<b>04:30 PM – 05:00 PM</b>	<b>Certificate Distribution and Concluding Remarks</b>	



### Organizing Committee

<b>Patron</b>	Shri. Chandrasekaran Bala N Chief Executive Officer, FGZ Ltd., Nagpur
	Dr. S. V. Upadhye Director, WRTC, Nagpur
<b>Printing, Venue Management, Communication &amp; Registration</b>	Shri. S.S. Bhagwat Zoo Director, BTGIZP, Nagpur
<b>Training Coordinator</b>	Miss Sarika Khot Assistant Manager, Gorewada Project, Nagpur
<b>Food, Accomodation, Transport, Field Visits</b>	Dr. Mayur Pawshe SMS (Animal Reproduction, Gynaecology & Obstetrics), WRTC, Nagpur
<b>Scientific Sessions &amp; Kit Preparation</b>	Dr. Sujit Kolangath SMS (Animal Biotechnology), WRTC, Nagpur



## **Overall Impact:**

### **One-Week Training on Wildlife Health Management for Veterinarians**

**Nagpur, December 6, 2024:** The Wildlife Research & Training Centre (WRTC), Gorewada, Nagpur and Gorewada Project successfully hosted a one-week comprehensive training program on *Wildlife Health Management* from December 2 to December 6, 2024. The training was funded by Mahacampa under the Maharashtra Forest Department. The event aimed at equipping veterinarians with essential knowledge and practical skills to address the health challenges of wildlife in a dynamic and rapidly changing ecological landscape. The program was inaugurated by Dr. S.V. Upadhye, Director, WRTC, Nagpur, in the presence of Shri. S.S. Bhagwat, Zoo Director BTGIZP, Nagpur & DM, Gorewada Project. Dr. Mayur Pawshe hosted the inaugural programme. The training attracted twenty one participants from diverse regions, highlighting the growing interest and need for specialized wildlife health expertise among veterinary professionals. The five-day training covered a wide array of topics including common diseases in wild felines, canids, and birds, principles of chemical restraint, post-mortem examination, disease monitoring, and wildlife rehabilitation. Each session was tailored to blend theoretical knowledge with practical applications. Wildlife health experts and forest department officials delivered interactive lectures and guided participants through hands-on sessions. Participants visited Pench Tiger Reserve and BTGIZP, Nagpur to gain real-world insights into wildlife health monitoring, conflict management, and rehabilitation practices. Field simulation exercises focused on forensic sample collection and comprehensive health examinations were highly appreciated by the attendees. The training successfully fostered a collaborative environment for learning and exchange of ideas among veterinarians, researchers, and wildlife managers. Participants developed practical expertise in wildlife health management, including diagnostic techniques, disease surveillance, and ethical considerations in wildlife care. The program also provided a platform to discuss pressing issues such as habitat loss, climate change, and their implications on wildlife health. During the valedictory session, certificates of participation were distributed to the attendees. The Director of WRTC reiterated the Centre's commitment to capacity building and research in wildlife health management, encouraging participants to apply their newfound knowledge in their respective domains. Dr. N.V. Kurkure, Dr. Shirish Upadhye, Dr. Vinod Dhoot, Dr. P.M. Sonkusale, Dr. Bhagyashree Bhadane, Dr. Manoj Patil, Dr. Madhuri Hedau, Dr. Megha Kaore, Shri. S.S. Bhagwat, Shri. Udamsingh Yadav, Dr. Mayur Pawshe, Dr. Shalini A.S. and Dr. Sujit Kolangath contributed as speakers during the training. Dr. Sujit Kolangath proposed the vote of thanks. Miss. Sarika Khot exerted as a coordinator for the training programme. Shri. Chandrasekaran Bala N, CEO, Gorewada Project expressed satisfaction over the conduct of the training programme.

## Social Media



Wrtc Gorewada Nagpur is 🥳 feeling fantastic with Srilakshmi Chikkam and 11 others in Nagpur.

5d · 🌐

The Wildlife Research & Training Centre (WRTC), Gorewada, Nagpur successfully hosted a one-week comprehensive training programme on Wildlife Health Management from December 2 to December 6, 2024.

The training was funded by MAHACAMPA under the Maharashtra Forest Department. The event aimed at equipping veterinarians with essential knowledge and practical skills to address the health challenges of wildlife in a dynamic and rapidly changing ecological landscape. The programme wa... [See more](#)







Snehal Wasnik

6d · 👤



Wildlife Health and Management Training...THANK YOU@ [Wrtc Gorewada Nagpur](#) 😊

