

NIN VISIT REPORT

17.03.2022

We visited ICMR-National Institute of Nutrition animal facility on 16th march 2022 in the afternoon session (2:00pm - 4:00pm).

We faculty group of 3 members have joined 45 students of B Pharmacy and Pharm D IV year.



At NIN initially we gathered in meeting hall and we were addressed by Dr. Satyavani and Dr. Pradeep Patil. Dr. Pradeep, has delivered a brief lecture on animal facility describing about various lab animals their maintenance and parameters necessary for animal house. Below topics were thrown light:

- SOP's to be followed in an animal facility
- Importance of qualified personnel in animal husbandry
- Maintenance parameters: Adequate space, light, humidity, air cycles, noise
- Biowaste disposal
- Barriers: air curtains, air showers, UV cabinet, Pass box
- Handling of animals
- Routes of blood collection
- Vision and mission of animal facility
- Significance of enrichment in animal experimentation
- Importance of Bedding material and their maintenance. Use of alternative bedding material for better research outcomes
- Awareness on sub clinical infections, zoonotic diseases of personnel handling animals

He has shared various personal experiences in handling and treating animals which helped students in better understanding.

We then have visited:

Diet section: -

- We have seen various equipment for feed preparation. Autoclave, pellet machine (12mm, 8mm), mixer, dryer. Their working procedures and maintenance.
- Raw material necessary for feed preparation
- Protein feed and their composition (14%- Guinea pigs, 20% rats and mice, 27% geriatric rats)
- Students have learnt about different compositions of feed and their importance.



Animal transportation and storage room: -

- Various lab animals available were shown like mice, rats, hamsters, guinea pigs, rabbits
- Handling techniques of each lab animal was shown with live demonstration.
- Students have observed different types of cages and use of different bedding material for individual strains of lab animals.



Monkey facility:

- Different monkey facilities were shown.
- Rhesus monkeys were available
- Types of diet and maintenance was explained by the instructor.
- Students have learnt about experimentation on monkeys and the facilities to be provided for research activities.



Finally, we have explored the whole animal facility giving basic and live knowledge to students. Students have benefitted by physical visit as they have only simulations in their curriculum. They have gained knowledge in animal and their experimental purpose.

We Dr. S. Hemalatha, Mrs. Harini M, Mrs Hymavathi, the faculty and students are grateful to our management for giving an opportunity to this visit. We also thank instructors at NIN for delivering a good lecture and allowing us for a visit. We also thank our Director, Principal and Vice Principal for providing a good educational visit.