



Brief Report on Educational Visit of Students of B.Sc. (Hons) Agriculture 2nd Year to State Livestock Farm, Chak Ganjaria and Niblet Barabanki, U.P. on 2nd December 2024

The Department of Agriculture at the Integral Institute of Agricultural Science & Technology (IIAST) regularly organizes educational visits to various agricultural and allied sectors, to provide practical exposure and insights to students into real-world agricultural practices. In this context, an educational visit was arranged for the students of **B.Sc. (Hons) Agriculture 2nd Year** to the **State Livestock Farm, Chak Ganjaria and Niblet Barabanki, U.P.**, on **2nd December 2024**. The primary focus of the visit was to enhance understanding of livestock management, indigenous breed conservation and modern reproductive technologies such as embryo transfer technology (ETT) along with other sustainable farming practices.

The visit was observed under the guidance of **Prof. (Dr.) Mohd Haris Siddiqui**, Dean, Faculty of Agricultural Science and Technology, and **Prof. Saba Siddiqui**, Head, Department of Agriculture, IIAST. The students were accompanied by faculty coordinators **Dr. Pankaj Kumar Gupta** and **Dr. Zeeshan Ahmad Khan**, who ensured smooth coordination throughout the visit.

Upon arrival, the students were warmly welcomed by the staff at the **State Livestock Farm**, including **Dr. Santosh Kumar Yadav**, Incharge of the Embryo Transfer Laboratory, State Livestock Farm, Chak Ganjaria, Barabanki, **Dr. Apoorva Verma**, Veterinary Medical Officer working at the IVF-ETT Laboratory in Niblet Barabanki, **Dr. Abhishek Srivastava**, Veterinary Medical Officer, State Livestock farm and **Mr. Janardhan Yadav**, Dairy In-charge at the State Livestock Farm. The staff provided an overview of the farm's operations, highlighting its objectives, achievements, and contributions to livestock development and sustainability.

The students were introduced to the **Embryo Transfer Laboratory**, where **Dr. Santosh Kumar Yadav** Incharge of the Embryo Transfer Laboratory, State Livestock Farm, Chak Ganjaria, Barabanki, explained the scientific principles and applications of embryo transfer technology in improving livestock productivity. He highlighted the importance of this technology in preserving indigenous breeds like Sahiwal and enhancing their genetic potential. **Dr. Apoorva Verma**

Veterinary Medical Officer working at the IVF-ETT Laboratory in Niblet Barabanki, elaborated on advanced reproductive technologies such as **in vitro fertilization (IVF)** and **sexed semen**, explaining how these methods enable gender-specific breeding, particularly beneficial for dairy farming. Demonstrations of semen sorting, embryo freezing, and laboratory procedures provided the students with valuable insights into these modern techniques. **Dr. Abhishek Srivastava** Veterinary Medical Officer, State Livestock farm guided the students through the livestock housing units, explaining the importance of proper housing, balanced nutrition, and regular veterinary care in ensuring the health and productivity of livestock. He emphasized the role of modern management practices in aligning livestock farming with environmental sustainability. **Mr. Janardhan Yadav**, Dairy In-charge at the State Livestock Farm, discussed the integration of sustainable practices at the farm, such as biogas generation from farm waste and the cultivation of high-yield fodder crops like **jowar, bajra, napier grass, and subabool (tree fodder)**.

The visit included an interactive session where the students engaged with the staff members to clarify their doubts and discuss various topics related to livestock management and agricultural sustainability. This educational visit provided the students with practical exposure to state-of-the-art livestock management and breeding technologies, fostering a deeper understanding of their theoretical knowledge. Observing the operations of facilities like the Embryo Transfer Laboratory and IVF-ETT unit enriched their learning experience and highlighted the role of scientific advancements in modernizing agriculture. Additionally, the visit emphasized the importance of sustainable practices, breed conservation and government support in driving the development of the livestock industry. The students left the farm with an enhanced appreciation for the efforts and innovations that contribute to the growth and sustainability of the agricultural sector. This experience has undoubtedly inspired them to contribute meaningfully to the field of agriculture and its allied sectors in their future careers.

Glimpses of Event







प्रशासनिक भवन

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 **GPS Map Camera**



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