



**DCT's Dhempe College of Arts & Science
Miramar, Panaji, Goa
DEPARTMENT OF ZOOLOGY**

**Report of Field study carried out for TY and SY students of Zoology on 02/03/2024,
under DBT Star College scheme**

A Field based study was organized on **02/03/2024** for the TYBSC and SYBSC Zoology students at **Department of Animal Husbandry and Veterinary Services, Government Cattle Breeding farm, Koperdem, Sattari, Goa**. Total 40 beneficiaries, including students and faculty members were present.

Objectives: To learn about artificial insemination techniques and practices in cattle breeding as a part of TYBSC curriculum. Furthermore, to strengthen partnerships between educational Institutions, Government agencies, and Industry stakeholders to facilitate knowledge exchange and promote innovation in animal husbandry practices.

Report: The Government Cattle Breeding Farm in Koperdem, Goa, appeared well-maintained, with clean facilities and healthy-looking livestock. There were all together 523 cattles maintained. A detailed overview of artificial insemination techniques used in cattle breeding was explained and technique was demonstrated. The staff explained that artificial insemination is a widely practiced method for improving the genetic quality of cattle herds. By selectively breeding high-quality bulls with desirable traits, farmers can enhance the productivity and profitability of their livestock operations. The farm is equipped with state-of-the-art facilities for conducting Artificial insemination. procedures. This includes specialized equipment such as semen collection units, liquid nitrogen storage tanks for semen preservation, and Artificial insemination kits containing sterile instruments and supplies. The staff demonstrated proficiency in using these tools effectively and safely.

The Department of Animal Husbandry and Veterinary Services at the Government Cattle Breeding Farm in Koperdem, Goa, provided invaluable insights into the practice of artificial insemination in cattle breeding. The dedication and expertise of the staff are evident in their

commitment to improving the quality and productivity of livestock through advanced reproductive technologies.

Outcome: The students and Faculty members gain the knowledge on the Cattle breeding services and artificial insemination techniques during this visit and students will be beneficial in future endeavours in the field of animal husbandry.



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