Institutional Development Plan College of Veterinary Science, Ludhiana, GADVASU

Application form for International Training of Students under NAHEP-IDP

•	Name of the Student	:	
•	Admission No.	:	
•	Mobile No.	:	
•	Email Id.	:	
•	Gender	:	
•	Category (Gen/SC/ST/	:	
	OBC etc)		
•	OGPA (attach self	:	
	attested copies)		
•	Participation in Sports/	:	
	Co-curricular Activities		
	(attach self attested		
	copies)		
			Signature of Candidate
			Name:
			Date:

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Training on Assisted Reproductive Technologies (Syllabus)

Artificial Insemination

- Planning and organization of AI centre
- · Preparation of teaser animals
- Selection, care, training and maintenance of male animal used for breeding purpose
- Techniques of semen collection
- Semen evaluation techniques
- Sterilization, storage of equipment used for semen collection and Artificial insemination
- Preparation of extenders and extension of semen
- Preservation of semen-Thawing of semen and technique of Al-Handling and maintenance of LN2 containers.

Oestrus synchronization procedures

Multiple Ovulation and Embryo Transfer- In Vitro Fertilization

- Selection of Donor / Recipient animals Evaluation of reproductive tract (through rectal palpation and trans-rectal ultrasonography)
- Superstimulatory / superovulatory protocols in donor (How to prepare timelines/)
- Transvaginal ultrasound guided ovum-pickup (basic requirements)
- Preparation of media used for oocyte maturation.
- Preparation Semen for in-vitro fertilization
- In vivo production of embryos (collection methods)
- · Quality evaluation and grading of embryos.
- Steps involved in cryopreservation of embryos
- Critical steps for handling and loading of cryopreserved embryos
- · Methods of transfer of embryos