

**Annexure I: Student's Research Proposals submitted for IBSC approval**

M.V.Sc.								
Sl. No.	Name of the student(s)	Roll No.	Title of the research Problem	Name of the Guide	Proposed Category of Experiment	Verified Category of Experiment	BSL level required	Remarks
<b>Session 2020-21</b>								
<b>ANIMAL BIOTECHNOLOGY</b>								
1	DR. ANAMIKA MAZUMDER	2020-VMK-04	Development of Peptide-Based Indirect ELISA for Detection of Antibodies Against African Swine Fever and Classical Swine Fever Viruses	Dr. L. Buragohain	III	III	3	Provisionally approved subject to final approval by RCGM
<b>POULTRY SCIENCE</b>								
2	DR. LAVUDIA RAJIV NAIK	2020-VMK-21	Use of Neem ( <i>Azadirachta indica</i> ) leaf powder as a litter ameliorator in broiler chicken rearing	Dr. Siddhartha Shankar Pathak	NA	II	2	Approved; should work in BSL-2 facility.
<b>Session 2021-22</b>								
<b>ANIMAL BIOTECHNOLOGY</b>								
3	Dr. ANTONI DAS	2021-VMK-01	Development of multiplex PCR Assays for simultaneous detection of <i>Babesia</i> , <i>Ehrlichia</i> and <i>Anaplasma</i> in canine	Dr. L. Buragohain	II	II	2	Approved
4	Dr. SHIVAM	2021-VMK-02	Molecular characterization of clinical isolates of Canine Distemper Virus	Dr. Dipak Deka	II	II	2	Approved
<b>ANIMAL NUTRITION (ANN)</b>								
5	Dr. SAAN SWRANG	2021-VMK-03	Effect of feeding fodder tree leaves based complete feed blocks (CFB) on growth performances of crossbred Goats (Beetal x Assam Hill Goat)	Dr. Ashim Kr. Saikia	NA	NA	NA	Approved
<b>VETY. CLINICAL MEDICINE, ETHICS &amp; JURISPRUDENCE</b>								
6	Dr. PEYI MOSING	2021-VMK-04	Comparative efficacy of homeopathic and conventional medicine in the management of chronic kidney disease in dog	Dr. Bhaben Ch. Baishya	NA	NA	NA	Approved
7	DR. PARESH TAYE	2021-VMK-05	Cardiovascular Renal Disorder and its Therapeutic management in Dog	Dr. Pallabi Thakuria	NA	NA	NA	Approved

8	Dr. BRATATI DEB SARKAR	2021-VMK-17	Therapeutic Management of Bacteria Associated Respiratory tract infection in Dog	Dr. Ditul Barman	NA	II	2	Approved; should work in BSL-2 facility.
<b>VETY. EPIDEMIOLOGY &amp; PREVENTIVE MEDICINE (VEP)</b>								
9	Dr. SYEED OWAIS	2021-VMK-06	Canine Distemper in Dog: Its Epidemiology and Therapeutic Management	Dr. Deepa Lahkar	NA	II	2	Approved
<b>VETY. MICROBIOLOGY</b>								
10	Dr. SREERAMDAS SRIKANTH	2021-VMK-13	Characterization of Multi Drug Resistant Bacteria from Bovine Mastitis and Evaluation of Their Susceptibility to Herbal Extracts	Dr. Arfan Ali	II	II	2	Approved
<b>VETY. PATHOLOGY (VPP)</b>								
11	Dr. MANDHADI SRAVAN KUMAR REDDY	2021-VMK-07	Pathomorphological studies on mortality of Kamrupa variety of chicken with special reference to respiratory tract infection	Dr. Nayanjyoti Pathak	II	II	2	Approved
<b>VETY. SURGERY AND RADIOLOGY</b>								
12	Dr. M. SAI SHASHANK REDDY	2021-VMK-09	Efficacy of Clamp Rod Internal Fixation and Bone Plating in Treatment of Long Bone Fracture of Canine Clinical Cases	Dr. Dwijen Kalita	NA	NA	NA	Approved
13	Dr. BALI YONGAM	2021-VMK-10	Caponisation in Pati duck: Its impact on growth performance and carcass characteristics	Dr. Parsha Jyoti Nath	NA	NA	NA	Approved
14	Dr. MD. UMAR	2021-VMK-14	Transabdominal ultrasonography and haemato-biochemical studies in pigs	Dr. Chandan Kr. Singh	NA	NA	NA	Approved
15	Dr. ANKITA NANDI	2021-VMK-18	Role of Platelet rich plasma and Hyaluronic acid in management of canine corneal ulcer	Dr. Bitupona Deuri	NA	II	2	Approved
<b>Session 2022-23</b>								
<b>ANIMAL REPRODUCTION, GYNAECOLOGY AND OBSTETRICS</b>								
16	Dr. Momota Karmakar	2022-VMK-02	Identification of Protein Markers for Early detection of Pregnancy in Crossbred Dairy Cattle	Dr. Mitali Dutta	NA	NA	NA	Approved
17	Dr. Chandni Roy	2022-VMK-03	Profiling of proteins vis-a-vis cervico-vaginal mucus during follicular phase of estrous cycle in Lakhimi Cow	Dr. L.J. Dutta	NA	NA	NA	Approved

18	Dr. Parbin Sultana Safika Alam	2022-VMK-05	Colour doppler ultrasonography for assessment of fertility status in crossbred cows	Dr. Dhruvajyoti Borpujari	NA	NA	NA	Approved
19	Dr. Cheanchi Rikasa A. Sangma	2022-VMK-06	Comprehensive study on the Reproductive efficiency of bitches in Northeast India	Dr. M. Bhuyan	NA	NA	NA	Approved
20	Dr. Sharmista Nath	2022-VMK-07	Effect of Nano soya lecithin on quality of frozen Beetal Buck semen	Dr. S. Sinha	NA	NA	NA	Approved
21	Dr. Akash Protim Gogoi	2022-VMK-08	Effect of Equex-stm paste added freezing medium and straw volume on frozen boar semen quality	Dr. D.K. Sarma	NA	NA	NA	Approved
22	Dr. Priyanka Barman	2022-VMK-09	Effect of cholesterol-loaded cyclodextrin conjugates on cryopreserved buck semen	Dr. M.D. Gupta	NA	NA	NA	Approved
23	Dr. Lalit Kumar Patel	2022-VMK-40	Follicular growth pattern and endocrine profile during natural and induced estrous cycle in Arunachali Yak	Dr. Arunoday Das	NA	NA	NA	Approved
<b>ANIMAL NUTRITION</b>								
24	Dr. Hrishikesh Saikia	2022-VMK-01	Performance of commercial broiler chicken fed on sprouted mung beans ( <i>Vigna radiata</i> )	Dr. Papor Talukdar	NA	NA	NA	Approved
25	Dr. Ghune Subhash Maruti	2022-VMK-46	Effect of feeding mixture of herbal feed additives on growth performance, blood biochemical profile and carcass characteristics of broiler chicken	Dr. G. Saikia	NA	NA	NA	Approved
<b>VETY. CLINICAL MEDICINE, ETHICS &amp; JURISPRUDENCE</b>								
26	Dr. Minakshi Kalita	2022-VMK-10	Hepatobiliary disorders in Dog: Diagnosis and Therapeutic management	Dr. Bendangla Changklia	NA	NA	NA	Approved
27	Dr. Panchali Baishya Chetia	2022-VMK-11	Status of vitamin-E and zinc in canine dermatological disorders	Dr. A. Phukan	NA	NA	NA	Approved
28	Dr. Akshoy Kumar Roy	2022-VMK-12	A comprehensive study of fluid build-up in the body of dog and its therapeutic management	Dr. Bhaben Chandra Baishya	NA	NA	NA	Approved
29	Dr. Prastuti Saikia	2022-VMK-13	Pododermatitis in dog and its therapeutic Management	Dr. A. Phukan	NA	II	2	Approved; should work in BSL-2 facility.

30	Dr. Akankshya Mimi Karmakar	2022-VMK-14	Evaluation of antiviral activity of Neem Leaf ( <i>Azardirachta indica</i> ) ointment in therapeutic management of Orf in Goat	Dr. Ditul Barman	NA	II	2	Approved; should work in BSL-2 facility.
31	Dr. Babul Ahmed	2022-VMK-15	Subclinical ketosis in Lakhimi Cattle and its therapeutic management	Dr. Ditul Barman	NA	NA	NA	Approved
32	Dr. Prabhat Singh	2022-VMK-39	Study on left-sided cardiac indices in dilated cardiomyopathy (DCP) affected dog and its management	Dr. Bendangla Changkija	NA	NA	NA	Approved
<b>VETY. EPIDEMIOLOGY &amp; PREVENTIVE MEDICINE (VEP)</b>								
33	Dr. Dibakar Sarkar	2022-VMK-16	Management of tick infestation with polyherbal formulation in Goats	Dr. Deepa Lahkar	NA	NA	NA	Approved
34	Dr. Purushuttam Gogoi	2022-VMK-17	Helminths and haemoprotozoa of big cats of Assam state Zoo cum botanical garden and their therapeutic management	Dr. G. Mahato	NA	II	2	Approved; should work in BSL-2 facility.
35	Dr. Anidrita Boruah	2022-VMK-18	<i>In-vitro</i> efficacy of <i>Leucas aspera</i> and <i>Curcuma longa</i> extracts against avian infectious bronchitis virus as remedial approach	Dr. Mrinal Kr. Nath	NA	II	2	Approved; should work in BSL-2 facility.
36	Dr. Himasmita Borah	2022-VMK-19	Pigeon as a bridge host and its prevailing pathogens	Dr. (Mrs.) J.B. Dutta	NA	II	2	Approved; should work in BSL-2 facility.
<b>VETY. PATHOLOGY (VPP)</b>								
37	Dr. Nitu Thengal	2022-VMK-25	Clinico-Pathological and Molecular detection of Pox viral infection in Goat ( <i>Capra hircus</i> )	Dr. S. Goswami	III	II	2	Approved
38	Dr. S. Akhila Durga	2022-VMK-26	Pathomorphological studies of Round Cell Neoplasma in Dog	Dr. S.A. Begum	-	NA	NA	Approved
39	Dr. Nitu Moni Gogoi	2022-VMK-27	Toxicopathological study of Experimental Carbendazim [Methyl (1H-benzimidazol-2-yl) carbamate] toxicity in rat	Dr. (Mrs.) S.M. Tamuli	NA	NA	NA	Approved
40	Dr. Midadala Saikumar Reddy	2022-VMK-28	Pathomorphological studies on Marek's disease in chicken	Dr. B. Dutta	III	II	2	Approved
41	Dr. Pongkhi Saikia	2022-VMK-29	Pathomorphological studies of Epithelial and Mesenchymal neoplasms in Dog	Dr. S.A. Begum	-	NA	NA	Approved

42	Dr. Doltade Vikram Gulab	2022-VMK-45	Pathology and tissue tropism of predominant genotype of avian infectious bronchitis virus circulating in Assam	Dr. C.V. Phangcho	III	II	2	Approved
<b>EXTENSION EDUCATION</b>								
43	Dr. Akash Jyoti Moral	2022-VMK-20	Livelihood sustainability of duckery Farmwomen in Kamrup (M) district of Assam	Dr. M.N. Roy	NA	NA	NA	Approved
44	Dr. Neelakshi Duttabaruah	2022-VMK-21	Adoption of Artificial Insemination (AI) by the Goat Farmers in Kamrup District of Assam	Dr. Biju Borah	NA	NA	NA	Approved
45	Dr. Monamika Nunisa	2022-VMK-22	After-effects of landslide and flood during 2022 on livestock and poultry farmers in Dima Hasao District of Assam	Dr. M. Johari	NA	NA	NA	Approved
46	Dr. Preyoshi Barbie B Marak	2022-VMK-23	An overview of husbandry and marketing practices among the WakChambil pig farmers in Garo Hills of Meghalaya	Dr. L. Sanathoi Khuman	NA	NA	NA	Approved
<b>LIVESTOCK PRODUCTION &amp; MANAGEMENT</b>								
47	Dr. Khrietseimenuo Chadi	2022-VMK-43	Effect of supplemental heat on performance in HDK-75 piglets	Dr. J.P. Bordoloi	-	NA	NA	Approved
<b>VETY. SURGERY AND RADIOLOGY</b>								
48	Dr. Leosmita Burhagohain	2022-VMK-34	Evaluation of osteogenic potential of egg shell and its herbal blend in Rabbit Model	Dr. Manav Sharma	NA	NA	NA	Approved
49	Dr. Chandramita Barman	2022-VMK-35	Acellular dermal matrix allograft in wound healing of Rabbit	Dr. Dwijen Kalita	NA	NA	NA	Approved
50	Dr. Krishna Kamal Kalita	2022-VMK-36	Optimization of Xylazine-ketamine Anaesthesia in Mithun	Dr. Mridu Pavan Baishya	NA	NA	NA	Approved
51	Dr. Deepanjali Kalita	2022-VMK-37	Effect of tiletamine-zolazepam in canine in combination with dexmedetomidine	Dr. Biraj Kumar Sarma	NA	NA	NA	Approved
52	Dr. Priyanka Ghosh	2022-VMK-38	Study of urinary disorders with special reference to obstructive Urolithiasis in male Goat	Dr. Parsha Jyoti Nath	NA	NA	NA	Approved

<b>PHARMACOLOGY AND TOXICOLOGY</b>								
53	Dr. Tanushriya Patir	2022-VMK-31	Evaluation of hepatoprotective effect of <i>Polygonum microcephalum</i> against carbon tetrachloride induced toxicity in Rats	Dr. Himangshu Baruah	NA	NA	NA	Approved
54	Dr. Pedenuo Shuya	2022-VMK-42	Evaluation of anti-arthritic activity of <i>Houttuynia cordata</i> Thunb. leaf extract in Rats	Dr. Sanjib Khargharia	NA	NA	NA	Approved
<b>ANIMAL GENETICS AND BREEDING</b>								
55	Dr. L Wilson Varay	2022-VMK-41	Studies on milk production traits and prolactin gene polymorphism in Sahiwal Cattle	Dr. Purabi Kaushik	NA	I	1	Approved
<b>VETERINARY PHYSIOLOGY</b>								
56	Dr. Heeralal Gahlot	2022-VMK-44	Effect of <i>Garcinia morrela</i> supplementation on productivity and immunomodulation in broiler chicken during the summer season	Dr. Arup Dutta	NA	II	2	Approved; should work in BSL-2 facility.
<b>VETERINARY PUBLIC HEALTH</b>								
57	Dr. Chandralima Baruah	2022-VMK-32	Staphylococcal Cassette Chromosome <i>mec</i> typing of coagulase negative staphylococci isolates from marketed milk in and around Guwahati city	Dr. Soni Doimari	II	II	2	Approved
58	Dr. Hirumoni Nath	2022-VMK-33	Isolation and molecular characterization of <i>Listeria monocytogenes</i> in duck meat retailed in and around Guwahati	Dr. Archana Talukdar	II	II	2	Approved
<b>POULTRY SCIENCE</b>								
59	Dr. Pandit Akshay Sunil	2022-VMK-47	Effect of dietary supplementation of different combinations of Marigold flower power ( <i>Tagetes erecta</i> ) and Red chilli power ( <i>Capsicum annum</i> ) on optimization of yolk colour in chicken eggs	Dr. Reema Saikia	NA	NA	NA	Approved

<i>Ph.D</i>								
<i>Sl. No.</i>	<i>Name of the student(s)</i>	<i>Roll No.</i>	<i>Title of the research Problem</i>	<i>Name of the Guide</i>	<i>Proposed Category of Experiment</i>	<i>Verified Category of Experiment</i>	<i>BSL level required</i>	<i>Remarks</i>
<b>Session 2020-21</b>								
<b>ANIMAL GENETICS AND BREEDING</b>								
1	DR. MEERA K.	2020-VDK-21	Comparative expression profiling of fertility related microRNAs and mse-tsRNAs in male reproductive tissue of indigenous and exotic pigs	Dr. G.U. Zaman	NA	I	1	Approved
2	DR. PRINCELINA BORA	2020-VDK-32(ii)	Growth performance and its association with Growth Hormone and Prolactin genes in Pati and Chara-Chambelli ducks in Assam	Dr. Subimal Laskar	NA	I	1	Approved
3	DR. PINKY SAIKIA	2020-VDK-33(ii)	Studies on performance evaluation, semen characteristics and fertility marker gene polymorphism in indigenous goats of Assam	Dr. Arpana Das	NA	I	1	Approved
4	DR. DIMPI KHANIKAR	2020-VDK-34(ii)	Principal component analysis and Marker based gene tagging of reproductive traits in HD-K75 Pigs	Dr. Arundhati Phookan	NA	I	1	Approved
<b>ANIMAL REPRODUCTION, GYNAECOLOGY &amp; OBSTETRICS</b>								
5	DR. SABERA ISLAM CHOWDHURY	2020-VDK-35(ii)	Cryopreservation of Dog semen	Dr. K. Ahmed	NA	NA	NA	Approved
<b>VETERINARY CLINICAL MEDICINE, ETHICS AND JURISPRUDENCE</b>								
6	DR. ARPANA BARUA	2020-VDK-36(ii)	Babesiosis Associated Kidney Diseases in Dogs	Dr. A. Phukan	NA	II	2	Approved
<b>LIVESTOCK PRODUCTION AND MANAGEMENT (LPM)</b>								
7	DR. POONAM DAS	2020-VDK-37(ii)	Effect of modified floor on the performance and behaviour of crossbred cows	Dr. Jakir Husain	NA	II	2	Approved
<b>VETERINARY PUBLIC HEALTH</b>								
8	DR. PRANJAL MONI NATH	2020-VDK-41(ii)	Quality evaluation and molecular detection of food-borne bacterial pathogens in Namsing, an ethnic food of Assam	Dr. Archana Talukdar	II	II	2	Approved

	<b>VETERINARY PARASITOLOGY</b>							
9	DR. NABANITA THAKURIA	2020-VDK-39(ii)	Gastrointestinal protozoan parasites in calves with special reference to molecular diagnosis of Coccidia	Dr. Kanta Bhattacharyee	II	II	2	Approved
10	DR. SANJANA BORA	2020-VDK-40(ii)	Prevalence, molecular identification, population dynamics and control of <i>Culicoides</i> species (Diptera: Ceratopogonidae) in some Agro-climatic Zones of Assam	Dr. S. Islam	II	II	2	Approved
	<b>VETY. PHARMACOLOGY &amp; TOXICOLOGY</b>							
11	DR. ARJUN KAFLE	2020-VDK-42(ii)	Toxicity evaluation of dimethoate and quinalphos in Kamrupa Chicken	Dr. D.C. Roy	I	I	1	Approved
	<b>Session 2021-22</b>							
	<b>VETERINARY ANATOMY AND HISTOLOGY</b>							
12	DR. LHINGNEIVAH DOUNGEL	2021-VDK-07	Post-Natal Development of lower respiratory system of Pati Duck ( <i>Anas platyrhynchos domesticus</i> )	Dr. (Mrs.) Munmun Sarma	NA	NA	NA	Approved
	<b>ANIMAL NUTRITION</b>							
13	DR. MEENAKSHI KALITA	2021-VDK-02	Evaluation of Giloy ( <i>Tinospora cordifolia</i> ) as a feed supplement for performance of crossbred Pigs	Dr. B.N. Saikia	NA	NA	NA	Approved
14	DR. TILLING TAYO	2021-VDK-06	Feeding of black soldier fly ( <i>Hermetia illucens</i> ) larvae meal, as alternative protein source in broiler replacing soybean meal	Dr. Robin Bhuyan	NA	NA	NA	Approved
	<b>LIVESTOCK PRODUCTION AND MANAGEMENT (LPM)</b>							
15	DR. SUSHITRA DEVI LONGJAM	2021-VDK-08	Effect of Fly trap for welfare and growth of Young Cattle	Dr. Adib Haque	NA	NA	NA	Approved
	<b>Session 2020-21</b>							
	<b>VETY. PHARMACOLOGY &amp; TOXICOLOGY</b>							
16	Dr. Khumtya Debbarma	2020-VDK-26	Studies on transient receptor potential (TRP) channel signalling in Goat urinary bladder smooth muscle	Dr. D.K. Deka	NA	I	1	Approved

Session 2021-22								
<b>ANIMAL REPRODUCTION, GYNAECOLOGY AND OBSTETRICS</b>								
17	Dr. Chayanika Das	2021-VDK-10(ii)	Effect of sericin and melatonin supplementation in BTS extender on boar semen quality during liquid preservation	Dr. P.M. Barua	NA	NA	NA	Approved
<b>VETERINARY PUBLIC HEALTH</b>								
18	Dr. Smita Kakati	2021-VDK-05	Isolation and molecular characterization of <i>Listeria monocytogenes</i> in market milk from Kamrup district of Assam	Dr. R.A. Hazarika	II	II	2	Approved
Session 2020-21								
<b>ANIMAL BIOTECHNOLOGY</b>								
19	Dr. Shamima Parbin	2020-VDK-29	Development of Virus-Like Particle-Based vaccine candidate against Canine Distemper	Dr. D. Deka	I	II	2	Approved

**Annexure II: Externally funded Research Projects submitted by PIs for approval of IBSC**

<b>Sl. No.</b>	<b>Department</b>	<b>Title of Research Project</b>	<b>Name of the PI with designation</b>	<b>Funding Agency</b>	<b>Proposed Category of Experiment</b>	<b>Verified Category of Experiment</b>	<b>BSL level required</b>	<b>Remarks</b>
1.	Animal Biotechnology	Development of a cost-effective peptide-based indirect ELISA for sero-monitoring of African swine fever	Dr. Lukumoni Buragohain	AAU, Jorhat	III	III	3	Provisionally approved subject to final approval by RCGM
2.	ARGO	Exploration of biological fluid proteome in Lakhimi cows for identification of estrus biomarkers	Dr. Lakshya Jyoti Dutta	DBT, Govt of India	NA	NA	NA	Approved
3.	Veterinary Microbiology	Development of indigenous point-of-care diagnostics for <i>Peste des Petits Ruminants</i> (PPR)	Dr. Sophia M. Gogoi	AAU, Jorhat	II	II	2	Approved
4.	Veterinary Surgery & Radiology	Therapeutic application of Canine Mesenchymal Stem Cells in clinical cases of spinal cord injury	Dr. Chandan Kumar Singh	ALSBT Hub, AAU, Khanapara, under DBT, Govt. of India	NA	II	2	Approved
5.	Animal Biotechnology	Development and evaluation of multiple antigenic peptide-based diagnostic assay for detection of <i>Babesia gibsoni</i> in dogs targeting GPI-anchored protein	Dr. Rupam Dutta	ASTEC, Govt. of Assam	II	II	2	Approved
6.	Epidemiology & Preventive Medicine	Development of a polyherbal formulation for control of tick infestation in goats	Dr. Deepa Lahkar	AAU, Jorhat	NA	NA	NA	Approved
7.	Animal Nutrition	Biotechnological interventions for improving the nutraceutical value of agro-industrial by-products to enhance its utilization in ruminants	Dr. Papori Talukdar	ALSBT Hub, AAU, Khanapara, under DBT, Govt. of India	NA	I	1	Approved