

**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. Mrinmoy Choudhury	2020-VMK-01	Eukaryotic expression of an immunodominant protein coding gene of Lumpy Skin Disease virus	Dr. Biswajyoti Borah	II	II	II	Approved
2.	Dr. Anindita Sarma	2020-VMK-02	Isolation and molecular characterization of bacteriophages for phage therapy of necrotic enteritis in poultry	Dr. Luit Moni Barkalita	NA	II	II	Approved
3.	Dr. Rumi Basumatary	2020-VMK-05	Cloning and expression of the Outer membrane protein-H ( <i>OmpH</i> ) gene of <i>Pasteurella multocida</i> of porcine origin and evaluation of its immunogenic potential	Dr. Deep Prakash Saikia	Not written	III	III	Provisionally approved. However, handling of live culture of <i>Pasteurella multocida</i> should be done only in BSL III facility of the ADMaC project.
<b>ANIMAL NUTRITION (ANN)</b>								
4.	Dr. Mustafizur Ahmed	2020-VMK-03	Effect of feeding Azolla based complete feed block on growth, nutrients utilization and blood biochemical parameter of Beetal x Assam Hill goats	Dr. Mridushmita Sonowal	NA	I	I	Approved
5.	Dr. Akash Mahanta	2020-VMK-07	Effect of Black Pepper ( <i>Piper nigrum</i> ) supplementation to diets containing different levels of energy on the growth performance, nutrient utilization and blood biochemical profile of growing pigs	Dr. G. Saikia	NA	NA	NA	Approved

6.	Dr. Anisul Hamza	2020-VMK-09	Effect of feeding dry <i>Moringa oleifera</i> leaves on growth performance and nutrient utilization in crossbred calves	Dr. (Mrs.) Lakhyajyoti Borah	NA	NA	NA	Approved
7.	Dr. Biswajit Borah	2020-VMK-10	Performance of Broiler chicken fed on diet supplemented with Oregano essential oil	Dr. Anurup Kr. Gohain	NA	NA	NA	Approved
8.	Dr. Tonmoy Medhi	2020-VMK-11	Effect of feeding varying levels of subabul ( <i>Leucaena leucocephala</i> ) leaf meal on the performance of broiler chicken	Dr. Robin Bhuyan	NA	NA	NA	Approved
<b>ANIMAL REPROD., GYNAE. AND OBSTETRICS (ARGO)</b>								
9.	Dr. Jyotimalita Roy	2020-VMK-13	Early pregnancy diagnosis in pig with special reference to biomarker Analysis	Dr. D.K. Sarma	NA	I	I	Approved
10.	Dr. Arjyarittik Kalita	2020-VMK-71	Reproductive performance in Pre-pubertal Assam Hill Goat supplemented with bypass fat	Dr. L.J. Dutta	NA	NA	NA	Approved
11.	Dr. Keshav	2020-VMK-77	Correlation of insulin like growth factor-1 concentration with semen characteristics of beetal buck	Dr. M.D. Choudhury	NA	NA	NA	Approved
12.	Dr. Soihem Diana Rongmei	2020-VMK-82	Nanoemulsions for reducing Oxidative stress in Cryopreserved Buck semen	Dr.(Ms) M. Das Gupta	NA	NA	NA	Approved
13.	Dr. Akshay Krishnamurti Hegde	2020-VMK-86	Effect of bypass fat and bypass protein supplementation during transition period on reproductive performance of Assam Hill Goat	Dr. P. Borah	NA	NA	NA	Approved
<b>VETY. EXTENSION EDUCATION</b>								
14.	Dr. Komilika Bodo	2020-VMK-18	Participation of Tribal farm women in livestock management activities in Dima Hasao District of Assam	Dr. Leema Bora	NA	NA	NA	Approved
15.	Dr. Geetartha Pratim Bhattacharyya	2020-VMK-19	Economic losses due to classical swine fever in Assam	Dr. M.N. Roy	NA	NA	NA	Approved
16.	Dr. Rahul Kanti Deka	2020-VMK-20	Women empowerment through self-help group with special reference to Animal Husbandry: ASRLM Perspective	Dr. Bikash Borthakur	NA	NA	NA	Approved

<b>LIVESTOCK PRODUCTION AND MANAGEMENT (LPM)</b>								
17.	Dr. Armina Sultana Begum	2020-VMK-22	Performance of Assam hill Goat reared under bamboo and wooden house	Dr. J.R. Bora	NA	NA	NA	Approved
18.	Dr. Arup Deka	2020-VMK-25	Effect of floor types on the milk quality and health status of crossbred cows under field condition	Dr. Jakir Hussain	NA	I	I	Approved
19.	Dr. Santana Das	2020-VMK-26	Performance of Assam hill Goat reared on periodically disinfected floor	Dr. Adip Haque	NA	NA	NA	Approved
20.	Dr. Chandrika Hazarika	2020-VMK-27	Effect of dietary supplementation of yeast ( <i>Saccharomyces cerevisiae</i> ) on the growth performance of crossbred heifers	Dr. D.C. Mili	NA	NA	NA	Approved
21.	Dr. Sayashree Rabha	2020-VMK-28	Study on the indigenous knowledge system on pig rearing adopted by the Rabha community of Assam	Dr. N.K. Sarma	NA	NA	NA	Approved
22.	Dr. Manmi Kalita	2020-VMK-37	Productive performance of Sahiwal cows subjected to different levels of herbal supplements	Dr. J. Saharia	NA	NA	NA	Approved
23.	Dr. Sanidur Ahmed	2020-VMK-66	Growth Performance of Crossbred Calves Fed Molasses and Probiotics Supplemented diet	Dr. J.P. Bordoloi	NA	NA	NA	Approved
24.	Dr. Zara Kaku Sorang	2020-VMK-81	Effect of supplementing garlic powder on the performance of Sahiwal calves	Dr. D.K. Baruah	NA	NA	NA	Approved
25.	Dr. Subarna Sarkar	2020-VMK-89	Shelf life of raw cow milk in different temperatures	Dr. J. Saharia	II	II	II	Approved
<b>LIVESTOCK PRODUCTS TECHNOLOGY (LPT)</b>								
26.	Dr. Arifa Khatun	2020-VMK-29	Quality Characteristics of Soy Milk Blended Yoghurt	Dr (Mrs.) T. Borpuzari	II	II	II	Approved
27.	Dr. Priya Muktan	2020-VMK-30	Development of Enzyme Based Chromogenic Strip for Detection of Selected Adulterant in Milk	Dr. Masuk Raquib	II	NA	NA	Approved
28.	Dr. Kiran Moyee Handique	2020-VMK-31	Development of duck meat sausages incorporated with foxtail millet ( <i>Setaria italica</i> )	Dr. S.K. Laskar	I, II	II	II	Approved

<b>POULTRY SCIENCE</b>								
29.	Dr. Rajsekhar Sapkota	2020-VMK-17	Effect of Dietary Supplementation of Marigold Flower Powder on the productive performance of broiler chickens	Dr. Reema Saikia	NA	NA	NA	Approved
30.	Dr. Anuj Dutta	2020-VMK-33	Analysis of Duck farming systems in Morigaon District of Assam	Dr. Joga Dev Mahanta	NA	NA	NA	Approved
31.	Dr. Shakura Siddika Barbhuiya	2020-VMK-34	Quality evaluation and shelf-life study of chicken meat patty incorporated with chicken blood plasma and mint powder ( <i>Mentha spicata</i> )	Dr. D. Sapkota	NA	II	II	Approved
32.	Dr. Manasjyoti Thakuria	2020-VMK-36	Effect of dietary supplementation of Aloe Vera ( <i>Aloe barbadensis</i> ) Leaves powder on the performance and carcass quality of commercial Broiler chickens	Dr. Mihir Sarma	NA	NA	NA	Approved
33.	Dr. <b>Sukanta</b> Deori	2020-VMK-68	Effect of dietary supplementation of Curry leaves ( <i>Murraya koenigii</i> ) powder on the performance and histology of certain lymphoid organs of commercial Broiler chicken	Dr. Joga Dev Mahanta	NA	NA	NA	Approved
<b>VETY. CLINICAL MEDICINE, ETHICS &amp; JURISPRUDENCE</b>								
34.	Dr. Gaurab Kafle	2020-VMK-40	Sub-clinical mastitis in dairy cow and its therapeutic management	Dr. Bhaben Ch. Baishya	NA	II	II	Approved
35.	Dr. Pradyout Pallav Hazarika	2020-VMK-42	Clinico-haematobiochemical and therapeutic management of anaemia associated with chronic kidney disease (CKD) in dogs	Dr. Bendangla Changkija	NA	NA	NA	Approved
36.	Dr. Chinmoy Sarma	2020-VMK-52	Subclinical mastitis in buffalo and its therapeutic management	Dr. Ditul Barman	NA	II	II	Approved
<b>VETY. EPIDEMIOLOGY &amp; PREVENTIVE MEDICINE (VEP)</b>								
37.	Dr. Queen Devi	2020-VMK-14	Ehrlichiosis in Dogs : its epidemiology and Therapeutic Management	Dr. Deepa Lahkar	NA	II	II	Approved
38.	Dr. Sayed Nazrin Rumana Rahman	2020-VMK-43	Parvoviral enteritis in puppies and its therapeutic management	Dr. Deepa Lahkar	NA	II	II	Approved

39.	Dr. Abhilasha Sharma	2020-VMK-44	Transmission of Newcastle disease virus at domestic-wild bird interface	Dr. (Mrs.) Jyoti B. Dutta	II	II	II	Approved
40.	Dr. Jahnabi Doley	2020-VMK-45	Epidemiological study and economic impact of African Swine Fever (ASF) in few affected districts of Assam	Dr. (Mrs.) Jyoti B. Dutta	NA	III	III	Provisionally approved. However, handling of suspected ASF infected samples should be done only in the BSL III facility of ADMaC project.
41.	Dr. Rofique Ahmed	2020-VMK-46	Evaluation of immune response in Broiler chicks immunized with a minimum cold chain dependent Newcastle disease virus formulation	Dr. Mrinal Kr. Nath	NA	II	II	Approved
<b>VETY. MICROBIOLOGY</b>								
42.	Dr. Jayashree Sarma	2020-VMK-48	Neutralization efficacy of classical swine fever C-strain specific antibody to different genotypes circulating in North Eastern States, India	Dr. N.N. Barman	III	III	III	Provisionally approved subject to final approval of RCGM.
43.	Dr. Bandana Devi	2020-VMK-59	Seroprevalence and molecular detection of bovine Brucellosis and Leptospirosis in Assam	Dr. Girindr Kr. Saikia	II	II, III	II, III	Provisionally approved subject to final approval of RCGM.
44.	Dr. Jonmoni Barua	2020-VMK-60	Physicochemical properties of live attenuated duck plague vaccine and evaluation of stabilizer efficacy for lyophilization	Dr. (Mrs.) Sutopa Das	NA	II	II	Approved
<b>VETY. PARASITOLOGY</b>								
45.	Dr. Souvik Sarma	2020-VMK-53	Forensic entomology-based post-mortem interval estimation in animals and birds	Dr. Saidul Islam	I	I	I	Approved
46.	Dr. Debjani Borah	2020-VMK-54	Ectoparasites of goat with special reference to Mange Mite	Dr. Ranjeet Neog	NA	I	I	Approved

<b>VETY. PATHOLOGY (VPP)</b>								
47.	Dr. Ameddul Islam Mazumder	2020-VMK-06	Pathomorphological and Molecular Studies of Respiratory Mannheimiosis in Goats	Dr. (Mrs.) Shameem Ara Begum	II	II	II	Approved
48.	Dr. Nibedita Tamuly	2020-VMK-57	Pathomorphological and molecular detection of avian leukosis virus (ALV) infection in chicken	Dr. Biswajit Dutta	III	III	III	Provisionally approved subject to final approval of RCGM.
49.	Dr. Ruby Devi nath	2020-VMK-58	Clinicopathological study of anemia with special reference to canine <i>babesiosis</i>	Dr. S. Goswami	I	II	II	Approved
50.	Dr. Udaya Sai Sitaram Tella	2020-VMK-76	Pathomorphological and molecular detection of <i>Riemerella anatipestifer</i> infection in Duck	Dr. C.V. Phangcho	II	II	II	Approved
<b>VETY. PHYSIOLOGY</b>								
51.	Dr. Faijun Toufiki	2020-VMK-63	Physiological effect of cryoprotectants in freezing of embryonic fibroblast cells	Dr. Arundhati Bora	NA	I	I	Approved
52.	Dr. Dhiman Patgiri	2020-VMK-64	Monitoring certain Physio-biochemical parameters of post-weaned crossbred kids raised under three different climate resilient housing system	Dr. Arup Dutta	NA	NA	NA	Approved
53.	Dr. Salima Siddika	2020-VMK-65	Monitoring physio-biochemical characteristics in goat during transition period following selenium and vitamin E supplementation	Dr. Champak Barman	NA	NA	NA	Approved
54.	Dr. Prerana Das	2020-VMK-67	Strategy for development of stem cell like embryonic fibroblast cells	Dr. Nikhil Ch. Nath	NA	I	I	Approved
<b>VETY. PUBLIC HEALTH</b>								
55.	Dr. Ritisha Saika	2020-VMK-70	Sero-prevalence and molecular detection of leptospire in dogs of peri-urban livestock farms and urban households of Guwahati	Dr. R.A. Hazarika	III	II	II	Approved
56.	Dr. Malela Saikrishna Goud	2020-VMK-80	Sero-prevalence and molecular detection of canine brucellosis in urban and peri-urban areas of Guwahati	Dr. Archana Talukdar	III	II	II	Approved

<b>VETY. SURGERY AND RADIOLOGY</b>								
57.	Dr. Ritu Raj Saikia	2020-VMK-15	Diagnosis and treatment of alimentary tract disorders in dogs with special reference to surgical affections	Dr. K.K. Sarma	NA	NA	NA	Approved
58.	Dr. Bindiya Mahanta	2020-VMK-72	Ultrasound guided epidural analgesia for perioperative pain management in dogs undergoing ovariohysterectomy operation	Dr. Parsha Jyoti Nath	NA	NA	NA	Approved
59.	Dr. Rimjhim Das	2020-VMK-73	Diagnosis of canine heart diseases with special reference to transthoracic echocardiography	Dr. D. Kalita	NA	NA	NA	Approved
60.	Dr. Shantishree Das	2020-VMK-75	Diagnosis and treatment of spinal affections in dogs and cats	Dr. Chandan Kr. Singh	NA	NA	NA	Approved
61.	Dr. Anjali C.J.	2020-VMK--88	Comparative evaluation of Interlocking Nailing and Locking compression Plating vis-a-vis management of Long Bone fractures in Canine	Dr. Bitupona Deuri	NA	NA	NA	Approved

<b>Ph.D.</b>								
<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 2019-20</b>								
<b>ANIMAL NUTRITION</b>								
1.	Dr. Bhaskar Rajaram Choudhary	2019-VDK-04	Effect of Season and Plane of Nutrition on the Performance of Broiler Chicken.	Dr. G. Saikia	NA	NA	NA	Approved
<b>VETY. PHYSIOLOGY</b>								
2.	Dr. Chinmayee Bharali	2019-VDK-32	Physiological modulation by dietary nano-zinc supplementation and its effects on productive performances in Pati Ducks.	Dr. Nikhil Ch. Nath	NA	NA	NA	Approved
3.	Dr. Sayed Nabil Abedin	2019-VDK-33	Effect of Selenium and Zinc-oxide nanoparticles on cryopreserved semen quality and fertility of Assam Hill Goat.	Dr. Anubha Baruah	NA	NA	NA	Approved

Session 2020-21								
<b>ANIMAL BIOTECHNOLOGY</b>								
4.	Dr. (Ms) Kabita Bala Kalita	2020-VDK-01	Molecular characterization of African swine fever virus circulating in North-east India and development of a rapid diagnosis assay.	Dr. P. Borah	III	III	III	Provisionally approved subject to final approval of RCGM.
<b>ANIMAL GENETICS AND BREEDING</b>								
5.	Dr. Debajit Deka	2020-VDK-03	Performance evaluation of different genetic groups of Pig at KVK operating Villages.	Dr. Dhireswar Kalita	NA	NA	NA	Approved
6.	Dr. Meera K	2020-VDK-21	Comparative expression profiling of fertility related microRNAs and mse-tsRNAs in sperm of indigenous and exotic pigs.	Dr. G. Zaman	NA	I	I	Approved
<b>ANIMAL NUTRITION</b>								
7.	Dr. Priyanka Konwar	2020-VDK-04	Supplementation of Nano-iron as compared to organic-iron in breeding Gilts.	Dr. B.N. Saikia	NA	NA	NA	Approved
8.	Dr. Hemanjali Hazarika	2020-VDK-05	Effect of dietary supplementation of linseed ( <i>Linum usitatissimum</i> ) oil on production performance and egg quality in commercial layer chicken	Dr. R. Bhuyan	NA	NA	NA	Approved
9.	Dr. Tanay Ghosh	2020-VDK-23	Effect of supplementing spent mushroom paddy straw on the performance of lactating cattle	Dr. G. Saikia	NA	NA	NA	Approved
<b>ANIMAL REPRODUCTION, GYNAECOLOGY &amp; OBSTETRICS</b>								
10.	Dr. Jitu Moni Das	2020-VDK-06	Comparative efficacy of different diagnostic biomarkers and treatments of subclinical endometritis in post-partum crossbred cows	Dr. K. Ahmed	NA	I	I	Approved
11.	Dr. Reema Talukdar	2020-VDK-07	Anovulation and delayed ovulation in post-partum dairy cattle and their therapeutic management	Dr. P.M. Barua	NA	NA	NA	Approved
12.	Dr. Souvik Dhara	2020-VDK-27	Purification of buck semen using magnetic nanoparticle for cryopreservation	Dr. S. Sinha	NA	NA	NA	Approved



<b>VETY. EXTENSION EDUCATION</b>								
13.	Dr. Banani Das	2020-VDK-08	Consumer profiling, consumption pattern and availability of frozen and processed meat in Urban Areas of Assam	Dr. Leema Bora	NA	NA	NA	Approved
14.	Dr. Sadananda Payeng	2020-VDK-09	Livestock Rearing Landscap and Indigenous Traditional Knowledge among the Tribal Livestock Farmers of Lakhimpur and Dhemaji districts of Assam	Dr. Pulin Hazarika	NA	NA	NA	Approved
<b>LIVESTOCK PRODUCTION AND MANAGEMENT (LPM)</b>								
15.	Dr. Arunima Kalita	2020-VDK-10	Growth performance and carcass qualities of growing pigs fed on different feeding regimes	Dr. J. Saharia	NA	NA	NA	Approved
<b>LIVESTOCK PRODUCTS TECHNOLOGY (LPT)</b>								
16.	Dr. Bilifang Daimary	2020-VDK-12	Effect of extract of Roselle seeds ( <i>Hibiscus sabdariffa</i> L.) on shelf-life of pork loin chop	Dr. R.N. Borpuzari	I, II	II	II	Approved
<b>POULTRY SCIENCE</b>								
17.	Dr. Ankurjyoti Talukdar	2020-VDK-13	Performance of Kamrupa chickens under intensive and backyard systems of mangement in certain selected districts of Assam	Dr. D. Sapkota	NA	NA	NA	Approved
<b>VETY. MICROBIOLOGY</b>								
18.	Dr. Sophia Makdoh Gogoi	2020-VDK-14	Growth kinetics and immunogenicity of a cell culture adapted local isolate of Duck enteritis virus	Dr. D.P. Bora	II	II	II	Approved
19.	Dr. (Ms) Shiney George	2020-VDK-15	Immunogenic potential of Bacterin against <i>Riemerella anatipestifer</i> infection in Ducks	Dr. R.K. Sharma	II	II	II	Approved
20.	Dr. Dhruvajyoti Das	2020-VDK-30	Development of a cell culture adapted live attenuated Goatpox virus vaccine against Lumpy Skin Disease in cattle	Dr. N.N. Barman	II	II	II	Approved
21.	Dr. Pankaj Deka	2019-VDK-24	Development of oral Classical Swine Fever bait vaccine and evaluation of its immunogenic potential in pigs	Dr. N.N. Barman	II	II	II	Approved

<b>VETY. PARASITOLOGY</b>								
22.	Dr. Kuntola Roy	2020-VDK-16	Characterization of Acaricide Resistance against Ixodid Ticks of Goat in Assam	Dr. Kanta Bhattacharjee	II	II	II	Approved
23.	Dr.Gauranga Das	2020-VDK-17	Epidemiology and Therapeutic Management of Gastro-Intestinal Nematodiasis in Buffalo Calves	Dr. (Mrs.) S.C. Phukan	I	I	I	Approved
24.	Dr. Pratik Bhowmik	2020-VDK-24	Ticks, Tick-borne Haemoparasites and acaricidal resistance in dog in Agartala, Tripura	Dr. Saidul Islam	I	II	II	Approved
<b>VETY. PHARMACOLOGY &amp; TOXICOLOGY</b>								
25.	Dr. Snigdha Hazarika	2020-VDK-19	Pharmacodynamic role of <i>Butea frondosa</i> and <i>Zanthoxylum armatum</i> DC with respect to anti-trematodal activity against <i>Paramphistomum</i>	Dr. C.C. Baruah	I	II	II	Approved
<b>VETY. PUBLIC HEALTH</b>								
26.	Dr. Sarat Sonowal	2020-VDK-20	Detection and molecular characterization of biofilm producing bacteria in water used in peri-urban livestock and poultry farms of Guwahati	Dr. R.A. Hazarika	II	II	II	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 consortium of bacteriophages for phage therapy of Necrotic Enteritis in poultry	Dr. Luit Moni Barkalita Asst.Professor	M/S Ecophage Biotech, Bengaluru	II	II	II	Approved
2.	Veterinary Microbiology	Generation and evaluation of a live vectored vaccine against porcine circovirus infection of swine	Dr. N.N. Barman Professor & Head	DBT, Govt. of India	II	II	II	Approved
3.	Pharmacology & Toxicology, LCVSc	Preparation of oral phytochemical formulation against respiratory and gut diseases of poultry	Dr. Sanjib Khargharia, Assistant Professor	ASTEC	NA	II	II	Approved
4.	ARGO, LCVSc	Capacity building and doubling the income of the local pig rearers through assisted reproductive technology in the North Bank of Brahmaputra	Dr. Arunoday Das, Assistant Professor	AAU, Jorhat	I	I	I	Approved