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

Sl No.	Department	Title of Research Project	Name of the PI with designation	Funding Agency	Proposed Category of Experiment	Verified Category of Experiment	BSL level required	Remarks
1.	Microbiology	Development of DIVA diagnostics and marker vaccine against duck plague virus	Dr. (Mrs.) Sutopa Das Professor	DBT	Π	II	2	Approved
2.	AGB	Molecular characterization of fecundity genes in Assam Hill goat	Dr. Farzin Akhtar Junior Scientist	DBT		Not required		Approval is not required
3.	AGB	Isolation characterization and development of a culture method for long-term preservation of spermatogonial stem cells from Doom Pig	Dr (Mrs.) Arpana Das Professor	DBT		Not required		Approval is not required
4.	Microbiology	Sero-surveillance of Leptospira infections in animals of North eastern region of India	Dr. Durlav P. Bora Assistant Professor	DBT	П	Π	2	Approved
5.	Microbiology	Development and evaluation of DIVA-based vaccine utilizing an Indian isolate of classical swine fever virus	Dr. N.N. Barman Professor	DBT	Π	III	3	Approved subject to the condition that the work will be limited to trial of purified recombinant protein vaccine and no handling of live mutant virus will be done.
6.	Microbiology	An integrated omics approach to characterize circulating Newcastle disease virus and intervention strategies to control Newcastle disease in North East India	Dr. Pankaj Deka Assistant Professor	DBT	Π	III	3	Approved
7.	Parasitology	Gastro-intestinal Parasitism	Dr. (Mrs.) Kanta Bhattacharjee Assistant Professor	ICAR		Not defined	2	Approved

8.	Parasitology	Molecular platform for epidemiology, disease mapping and development of diagnostics for economically important diseases of ducks	Dr. (Mrs.) S. C. Phukan	DBT		Not defined	2	Approved but BSL- 2 has to be maintained
9.	Epidemiology & Preventive Medicine	Epidemiological studies on emerging infectious diseases of Asian Elephants (<i>Elephas maximus</i>) with special reference to tuberculosis (TB) and elephant endotheliotropic herpes virus (EEHV)	Dr. G. Mahato Professor	DBT	Π	III	2	Approved
10.	Animal Biotechnology	Analysis of Gut Metagenome of Duck (<i>Anas platyrhynchos</i>) with special reference to Identification of Bacteria having Probiotic Potential	Dr. P Borah Professor & Head	DBT	I	I	2	Approved
11.	Microbiology	Establishment of Advanced Animal Disease Diagnosis and Management Consortium in the North East (ADMaC)	Dr. S.K. Das Professor & Head	DBT	Π	II/III	2/3	Approved (BSL-3 facilities to be created as per the project)
12.	Microbiology	Prevalence and divers of selected zoonotic pathogens and use of antimicrobials in livestock farms in North-Eastern region: A mixed methods study	Dr. S.K. Das Professor & Head	DBT	Π	II/III	2/3	Approved (BSL-3 facilities to be created under ADMaC project may be used)
13.	Microbiology	Attempt to develop diagnostic and preventive measures for suspected fish viral diseases encountered in Assam	Dr. S.K. Das Professor & Head	DBT	Π	Π	2	Approved
14.	Microbiology	Genetic characterization of antibiotic resistant <i>Clostridium</i> <i>perfringens</i> and <i>Clostridium</i> <i>difficile</i> , and their public health significance	Dr. R. K. Sharma Professor & Head	DBT	Π	Π	2	Approved

Annexure II: Students' Research Proposals submitted for IBSC approval

Sl. No.	Name of the Student, Regn No. & Department	Name of the Major Guide	Title of Research	Degree Programme (MVSc/ PhD)	Proposed Category of Experiment	Verified Category of Experiment	BSL level required	Remarks
1.	Dr. Sabentini S. Marak 2017-VMK-38 (Clinical medicine, Ethics & Jurisprudence)	Dr. B. Changkija	Canine Pyoderma: Diagnosis and Therapeutic Management	MVSc	Π	Π	2	Approved
2.	Dr. Nanswita Borah 2017-VDK-21 (Parasitology)	Dr. S.C. Phukan	Epidemiology and molecular identification of trematode parasites of duck with special reference to echinostome	PhD		Not defined	2	Approved but BSL-2 has to be maintained
3.	Dr. Shyama Prasad Panda (Microbiology)	Dr. D.P Bora	Attenuation and molecular characterization of goatpox isolated from Assam	MVSc	Π	П	2	Approved
4.	Dr. Jiaur Rahman 2017-VMK-21 (LPM)	Dr. N.K. Sarma	Physico-chemical & microbial quality of drinking water for livestock under organized & unorganized sectos in the Brahmaputra valley of Assam	MVSc	Π	Π	2	Approved
5.	Dr. Leons Mathew Abraham (Microbiology)	Dr. Sophia M. Gogoi	Characterization of Methicillin Resistant <i>Staphylococcus aureus</i> (MRSA) isolated from raw meat	MVSc	Π	Ш	2	Approved
6.	Dr. Himangshu Baruah (Pharmacology & Toxicology)	Dr. Jadav Sarma	Evaluation of Antiviral Activity of Certain Plant Based Nanoparticles	PhD	II	III	3	Approved
7.	Dr. Pubaleema Deka (Epidemiology & Preventive Medicine)	Dr. Mrinal Kr. Nath	Prevalence of Newcastle Disease Virus in backyard and commercial poultry in Assam	MVSc	Π	П	3	Approved
8.	Dr. Munmi Saikia 2016-VDK-23 (Parasitology)	Dr. Kanta Bhattacharjee	Digestive tract protozoan parasitism in domestic birds with special reference to <i>Trichomonas</i> gallinae in Assam	PhD	?	Π	2	Approved

9.	Dr. Nouluongunuo Soukhrie (Microbiology)	Dr. N.N. Barman	Immune response of pigs vaccinated with classical swine fever DIVA based vaccine and cell culture adapted lapinized vaccine	MVSc	Π	III	2/3	Approved subject to the condition that the work will be limited to trial of purified recombinant protein vaccine and no handling of live mutant virus will be done.
10.	Dr. Ray Kayaga (Microbiology)	Dr. K Sharma	Isolation of foot-and-mouth disease virus type 'O' of bovine and porcine origin in different cell lines and molecular characterization of the adapted virus	MVSc	П	III	2	Approved
11.	Dr. Sangyarani Sethy (Microbiology)	Dr. Pankaj Deka	Molecular characterization of a thermostable Newcastle Disease virus isolate from Assam and it's immunogenic potential	MVSc	П	III	2	Approved
12.	Dr. Dibyajyoti Das (Clinical medicine, Ethics & Jurisprudence)	Dr. A. Phukan	Prevalence of eye diseases in dog with special reference to bacterial infection	MVSc	П	Π	2	Approved
13.	Dr. Bandanpreet Kour Raisim 2017-VMK-47 (Parasitology)	Dr. S. Islam	Trematode parasites of Asian elephants (<i>Elephas maximus</i>) with special reference to liver fluke	MVSc	?	Ш	2	Approved
14.	Dr. Jameel Ahmad (LPT)	Dr. M. Hazarika	Carcass and meat quality characteristics of Kamrupa chicken	MVSc	II	II	2	Approved
15.	Dr. Sumi Roy (LPT)	Dr. T Borpuzari	Effects of starter cultute and types of Bamboo Quality attributes of <i>Banhor Chunga Doi</i>	MVSc	I & II	II	2	Approved
16.	Dr. Nazneenara Fatem Iliiash (LPT)	Dr. T Borpuzari	Protein fortification of Buffalo milk paneer	MVSc	II	II	2	Approved
17.	Dr. Rimjhim Beypi (LPT)	Dr. S.K. Laskar	Effect of oncorporation of inulin on the quality attributes of chhana patty	MVSc	П	П	2	Approved

18.	Dr. Salma Omar Ahmed (LPT)	Dr. Ankur Das	To study the effect of <i>Dillenia</i> <i>indica</i> (elephant apple)or/and <i>Averrhoea carambola</i> (Star fruit) powder on quality attributes of chicken Patty	MVSc	?	Ш	2	Approved
19.	Dr. Derhasar Brahma 2017-VDK-19 (Microbiology)	Dr. K. Sharma	Molecular detection and characterization of foot-and-mouth disease virus and study of cytokine expression in naturally infected local/cross-bred cattle from Assam	PhD	Π	III	2	Approved
20.	Dr. Arfan Ali (Microbiology)	Dr. G.K. Saikia	Phenotypic & genotypic characterization of Methicillin Sensitive & Resistant <i>Staphylococcus aureus</i> (MSSA & MRSA) isolated from bovine mastitis	PhD	Π	Π	2	Approved
21.	Dr. Arpita Bharali 2017-VDK- (Animal Biotechnology)	Dr. R.K. Sharma	Production & characterization of recombinant beta toxin of <i>Clostridium perfringens</i>	PhD	Π	П	2	Approved
22.	Dr. Madhusmita Dutta 2017-VDK- (Animal Biotechnology)	Dr. P. Borah	Molecular characterization and genotyping of Biofilm-producing <i>Staphylococci</i> associated with bovine mastitis	PhD	Π	Π	2	Approved
23.	Dr. Shakeel-ul Rehman (Animal Biotechnology)	Dr. P. Borah	DNA polymorphic mutations in mitochondrial genes encoding ND1, COI and CYTB in canine malignant tumours	MVSc	-	-	1	Approved