

**Proceedings of the Seventh Meeting of Institutional Biosafety Committee (IBSC),  
C.V.Sc., AAU held on 21<sup>th</sup> November, 2024 under the Chairmanship of  
Dr. B.N. Saikia, Dean, Faculty of Veterinary Science, AAU**

Members Present:

1. Dr. N.N. Barman, Member Secretary
2. Dr. Utpal Bora, External Member
3. Dr. M. R. Khan, DBT Nominee
4. Dr. P. Borah, Member
5. Dr. R.A. Hazarika, Member
6. Dr. P. Mohan, Member
7. Dr. J. Das, Biosafety Officer
8. Dr. JadavSarma, Special Invitee
9. Dr. L. Buragohain, Member

The meeting started with welcome address from the Member Secretary, Dr.N.N Barman along with briefing about the agenda of the meeting. Then the Chairman cum Dean, Dr. B.N. Saikia gave his opening remarked to the house. After opening remarks from the Chairman, the house deliberated upon the following issues:

**1. Approval of proceeding of second IBSC meeting held on 11<sup>th</sup> May, 2023:**

The Member Secretary, Dr. N.N Barman briefed about the proceeding of last meeting which was accepted and approved by the house. Also Dr. Barman presented the action taken report on recommendations made by IBSC during the last visit to different laboratories of College of Veterinary science, AAU, Khanapara. Dr. Barman informed the house that shortly an awareness and sensitization programme related to Biosafety issues for the PG students and faculty members will be organized.


2. The chairman recommended the Head of the Pathology Department to repair the existing carcass disposal system present in the department as well as suggested to put a new proposal to the AAU authority for construction of a modern carcass disposal system which was accepted by the house.
3. The house suggested that the researchers working in BSL-3 must fill-up a format available with the in-charge BSL-3 laboratory of ADMaC, CVSc, Khanapara and a compliance report is to be submitted to IBSC.
4. The working guideline of the post-mortem hall was modified as per suggestion of the members and finally approved.

**5. Project proposal approval:**

Total 75 nos. of applications were received by IBSC for clearance and out of which 15 nos. were from PIs and remaining 60 nos. were from PG and Ph.D students. Each proposal was discussed in detail by the members particularly on the biosafety aspects in the light of *Regulations & Guidelines on Biosafety of rDNA Research & Biocontainment, 2017* and appropriate decisions were taken on approval/disapproval of the same. Detailed list of the proposals placed before the committee along with the final remarks of the committee is appended in Annexures I & II.

The meeting ended with vote of thanks from Dr. Lukumoni Buragohain, Member, IBSC who thanked all the members for their active participation in the meeting and for their constructive suggestions.

- Copy for information to the concern.

  
Member Secretary, IBSC  
C.V.Sc., AAU, Khanapara  
Guwahati-22

  
(B.N. Saikia)  
Chairman Dean  
F.V.Sc., A.A.U.  
Khanapara, Ghy-22

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

| <b>MVSc</b>   |  |  |                              |  |  |                           |  |
|---|--|--|------------------------------|--|--|---------------------------|--|
| <b>Sl. No.</b>  | <b>Name of the student(s)</b>            | <b>Title of the research Problem</b>   | <b>Name of the Guide</b>     | <b>Proposed Category of Experiment</b> | <b>Verified Category of Experiment</b> | <b>BSL level required</b> | <b>Remarks</b>   |
| <b>Session 2022-23</b>                                    |  |  |                              |  |  |                           |  |
| <b>VET. CLINICAL MEDICINE, ETHICS &amp; JURISPRUDENCE</b> |  |  |                              |  |  |                           |  |
| 1   | Dr. Akshoy Kumar Roy<br>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   |
| <b>Session 2023-24</b>                                    |  |  |                              |  |  |                           |  |
| <b>POULTRY SCIENCE</b>                                    |  |  |                              |  |  |                           |  |
| 1   | Dr. Rija Saikia<br>2023-VMK-06           | Effect of Dietary Supplementation of Fennel Seed ( <i>Foeniculum Vulgare</i> ) Powder on Growth Performance, Carcass Quality and Morphology of Small Intestine of Commercial Broiler Chicken | Dr. Joga Dev Mahanta         | NA                                     | NA                                     | NA                        | Approved   |
| 2   | Dr. Sachin Rajendra Pawar<br>2023-VMK-07 | Effect of feeding bamboo ( <i>Bambusa tulda</i> ) leaf powder on productive performances of commercial broiler chicken   | Dr. Rafiqul Islam            | NA                                     | NA                                     | NA                        | Approved   |
| 3   | Dr. Spandan Koch<br>2023-VMK-08          | Effect of Moringa ( <i>Moringa oleifera</i> ) leaf extract on production performance and immunity of commercial broiler chicken  | Dr. Mihir Sarma              | NA                                     | II                                     | II                        | Approved<br>Vaccine candidate should be used for immunity evaluation |
| <b>ANIMAL NUTRITION</b>                                   |  |  |                              |  |  |                           |  |
| 4   | Dr. Iqbal Hussain<br>2023-VMK-33         | Effect of feeding Subabul ( <i>Leucaena leucocephala</i> ) leaf meal on growth performance and nutrient utilization in crossbred calves  | Dr. (Mrs.) Lakhyajyoti Borah | NA                                     | NA                                     | NA                        | Approved   |
| 5   | Dr. Manash Pratim Mahanta                | Performance of Broiler chicken fed on low protein and low energy diet supplemented with  | Dr. Robin Bhuyan             | NA                                     | NA                                     | NA                        | Approved   |

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|---------------------------|--|--|-------------------------|----|----|----|--|
|                           | 2023-VMK-34                                    | enzyme xylanase  |                         |    |    |    |  |
| 6                         | Dr. Saiful Islam<br>2023-VMK-35                | Evaluation of Complete Feed Block containing different levels of leaf meal mixture on performance of Beetal X Assam local grower goat kids                           | Dr. Mridushmita Sonowal | NA | NA | NA | Approved   |
| 7                         | Dr. Akshay Anil Gurde<br>2023-VMK-36           | Effect of feeding Subabul ( <i>Leucaena leucocephala</i> ) leaf meal on performance of growing-finishing crossbred pigs  | Dr. Gunaram Saikia      | NA | NA | NA | Approved   |
| <b>VETY. PHYSIOLOGY</b>   |  |  |                         |    |    |    |  |
| 8                         | Dr. Rajashree Dutta Purkayastha<br>2023-VMK-31 | Physio-Biochemical Studies in Early Pregnant Cross-bred Pigs   | Dr. Simson Soren        | NA | NA | NA | Approved   |
| 9                         | Dr. Netalu Puro<br>2023-VMK-38                 | Nanozinc supplementation on thermo-tolerance in goat kids  | Dr. Sanjib Borah        | NA | NA | NA | Approved   |
| 10                        | Dr. Thanggoulen Lotjem<br>2023-VMK-39          | Studies on <i>in vitro</i> cultured duck embryonic fibroblast cells and assessment of pro inflammatory cytokine  | Dr. Nikhil Chanra Nath  | NA | II | II | Approved. Care should be taken to avoid hatchery borne infection |
| <b>VETY. PHARMACOLOGY</b> |  |  |                         |    |    |    |  |
| 11                        | Dr. Udipta Bhuyan<br>2023-VMK-48               | Evaluation of anti-inflammatory and ulcer healing property of <i>Zanthoxylum oxyphyllum</i> against DSS (Dextran sodium sulphate) induced ulcerative colitis in rats | Dr. Pritam Mohan        | NA | NA | NA | Approved   |
| <b>VETY. PARASITOLOGY</b> |  |  |                         |    |    |    |  |
| 12                        | Dr. Madhurjya Nath<br>2023-VMK-51              | Haemoparasites of goat with special reference to <i>Theileria</i> in Lakhimpur and Dhemaji districts of Assam  | Dr. Gautam Bordoloi     | NA | II | 2  | Approved   |
| 13                        | Dr. Mounami Hojai                              | <i>In vitro</i> Acaricidal Activity of few ITK based plants of Dima Hasao District, Assam  | Dr. Kanta Bhattacharjee | NA | I  | I  | Approved. Researchers  |



|   |   |  |                               |    |    |    |  |
|---|---|--|-------------------------------|----|----|----|--|
|   | 2023-VMK-52                                     |  |                               |    |    |    | should ensure proper disposal of ticks |
| <b>VETY. MEDICINE</b>                         |   |  |                               |    |    |    |  |
| 14  | Dr. Sahinaz Sreen<br>2023-VMK-17                | Cystitis in dogs and its therapeutic management  | Dr. Ditul Barman              | NA | II | II | Approved                               |
| 15  | Dr. Krishna Kundu<br>2023-VMK-18                | Feline panleukopenia and its therapeutic management in cats  | Dr. Deepa Lahkar              | NA | II | II | Approved                               |
| 16  | Dr. Kansam Ankita Singha<br>2023-VMK-19         | Evaluation of antibacterial and immunomodulatory activity of polyherbal formulation in bovine subclinical mastitis   | Dr. Mrinal Kr. Nath           | NA | II | II | Approved                               |
| 17  | Dr. Preeti Kro<br>2023-VMK-20                   | KAP survey of dog bite in human and animals in rural areas of Kamrup district  | Dr.(Mrs.) Jyoti B. Dutta      | NA | NA | NA | Approved                               |
| 18  | Dr. Sayedul Islam<br>2023-VMK-21                | Status of copper and its therapeutic management in Lakhimi cattle  | Dr. Bendangla Changkija       | NA | NA | NA | Approved                               |
| 19  | Dr. Vemulapalli Teja Sri<br>2023-VMK-22         | Efficacy of different therapeutic regimens against babesiosis in dog   | Dr. Bhaben Chandra Baishya    | NA | II | 2  | Approved                               |
| 20  | Dr. Bhargab Jyoti Sarmah<br>2023-VMK-50         | Prevalence and therapeutic management of <i>malassezia</i> dermatitis associated with hypothyroidism in dogs   | Dr. Arabinda Phukan           | NA | I  | 1  | Approved                               |
| 21  | Dr. Dolly Satyendra Singh Thakur<br>2023-VMK-58 | Chronic degenerative valvular heart disease in dogs and its therapeutic management.  | Dr. Bendangla Changkija       | NA | NA | NA | Approved                               |
| <b>VETY. PUBLIC HEALTH &amp; EPIDEMIOLOGY</b> |   |  |                               |    |    |    |  |
| 22  | Dr. Angad Singh Bhamrah<br>2023-VMK-10          | Isolation and application of bacteriophage to reduce <i>Escherichia coli</i> contamination in chicken meat and to test efficacy of phage cocktail mediated biocontrol of <i>Escherichia coli</i> in chicken meat | Dr. Razibuddin Ahmed Hazarika | I  | II | 2  | Approved                               |


  
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| VETY. PATHOLOGY (VPP)               |  |   |                           |     |     |    |   |
|-------------------------------------|--|---|---------------------------|-----|-----|----|---|
| 23                                  | Dr. Gangotri Phukan<br>2023-VMK-41           | Patho-morphological study and molecular detection of immunosuppressive viral diseases in poultry  | Dr. Abhijit Deka          | III | III | 3  | Provisionally approved, subjected to approval of RCGM |
| 24                                  | Dr. Ananya Deka<br>2023-VMK-42               | Clinico-pathological studies of formalin toxicity in rats   | Dr. Shameem Ara Begum     | NA  | NA  | NA | Approved  |
| 25                                  | Dr. Jyoti Doley<br>2023-VMK-43               | Pathomorphology of goat mortality with special reference to viral pathogens   | Dr. Shameem Ara Begum     | III | II  | 2  | Approved  |
| 26                                  | Dr. Pallabi Das<br>2023-VMK-44               | Pathomorphological and molecular characterization of Lumpy skin disease virus (LSDV) Infection in cattle                                    | Dr. Biswajit Dutta        | III | II  | 2  | Approved  |
| 27                                  | Dr. Sakshi Patel<br>2023-VMK-45              | Patho-morphology of hepatorenal dysfunction associated with viral infections in broiler chicken   | Dr. Biswajit Dutta        | III | II  | 2  | Approved  |
| <b>A.R.G.O.</b>                     |  |   |                           |     |     |    |   |
| 28                                  | Dr. Atmika Barman<br>2023-VMK-24             | Association of hemato-biochemical and endocrine factors with ovulatory failure in crossbred dairy cows and their therapeutic management     | Dr. Dhrubajyoti Borpujari | NA  | NA  | NA | Approved  |
| 29                                  | Dr. Shivani Gogoi<br>2023-VMK-25             | Identification of some priming pheromones in bull's urine and its efficacy for augmenting reproductive efficiency in dairy cattle           | Dr. Manjyoti Bhuyan       | NA  | NA  | NA | Approved  |
| 30                                  | Dr. Suresh Deori<br>2023-VMK-26              | Optimizing dog semen preservation with membrane stabilizer and antioxidant  | Dr. Manoj Kr. Kalita      | NA  | NA  | NA | Approved  |
| 31                                  | Dr. Shyamontica Mahanta<br>2023-VMK-27       | Spatial changes in reproductive tract fluid of cattle during periovulatory period of estrous cycle  | Dr. Mitali Dutta          | NA  | NA  | NA | Approved  |
| 32                                  | Dr. Prapti Nikunj Kumar Patel<br>2023-VMK-28 | Effect of <i>Murraya Koenigii</i> (Curry) and <i>Aegle marmelos</i> (Bael) on reproductive performance of female <i>Mus musculus</i> (Mice) | Dr. Dipak Kumar Sarma     | NA  | NA  | NA | Approved  |
| <b>ANIMAL GENETICS AND BREEDING</b> |  |   |                           |     |     |    |   |



|                                    |  |  |                          |     |     |    |   |
|------------------------------------|--|--|--------------------------|-----|-----|----|---|
| 33                                 | Dr. Ritchelcy Kharchandy<br>2023-VMK-32      | A study on the performance of Niang Megha and Wak Chambil pigs of Meghalaya under field condition  | Dr. Galib Uz Zaman       | NA  | NA  | NA | Approved  |
| <b>VETY. MICROBIOLOGY</b>          |  |  |                          |     |     |    |   |
| 34                                 | Dr. Kirtika Changkakoti<br>2023-VMK-13       | Development of recombinant protein based competitive ELISA for simultaneous detection of Classical swine fever virus and African swine fever virus specific antibodies | Dr. Nagendra Nath Barman | III | III | 3  | Provisionally approved, subjected to approval of RCGM |
| 35                                 | Dr. Gangasani Sandeep K Reddy<br>2023-VMK-16 | Isolation and Molecular Characterization of Lumpy Skin Disease (LSD) virus from Natural Outbreaks  | Dr. D.P. Bora            | III | III | 3  | Provisionally approved, subjected to approval of RCGM |
| <b>VETY. SURGERY AND RADIOLOGY</b> |  |  |                          |     |     |    |   |
| 36                                 | Dr. Khan Nargish Sultana<br>2023-VMK-23      | Comparative evaluation of Titanium Dynamic Compression Plate (Ti-DCP) and Dynamic Compression plate (316L) for Management of Long Bone Fractures in Dog                | Dr. Jodumoni Kachari     | NA  | NA  | NA | Approved  |
| 37                                 | Dr. Khemani Kanishka Kaushik<br>2023-VMK-53  | Efficacy of Zinc Fluorophosphate bone graft on healing of long bone diaphyseal fractures in canine   | Dr. Bitupona Deuri       | NA  | NA  | NA | Approved  |
| 38                                 | Dr. Meghna Sharma<br>2023-VMK-54             | Evaluation of zolazepam-tiletamine and sevoflurane for general anaesthesia in domestic chicken ( <i>Gallus domesticus</i> )  | Dr. Parsha Jyoti Nath    | NA  | NA  | NA | Approved  |
| 39                                 | Dr. Dickjyoti Bhuyan<br>2023-VMK-55          | Manual small incision cataract surgery in dogs: a comparative study between removal of intact lens and fragmented lens   | Dr. Dwijen Kalita        | NA  | NA  | NA | Approved  |
| 40                                 | Dr. V. Abhiram<br>2023-VMK-56                | Adipose tissue derived mesenchymal stem cells in management of spinal cord injury in rabbit model  | Dr. Chandan Kumar Singh  | NA  | II  | II | Approved  |
| 41                                 | Dr. Vivek Kumar Singh<br>2023-VMK-57         | Prevalence of surgical affections in cattle and their surgico-medical management   | Dr. Kushal Konwar Sarma  | NA  | NA  | NA | Approved  |

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| VETY. EXTENSIN EDUCATION            |   |  |                          |    |    |    |          |
|-------------------------------------|---|--|--------------------------|----|----|----|----------|
| 42                                  | Dr. Aron Sinruwng Anal<br>2023-VMK-01   | Consumers attitude towards pig welfare, pork quality, consumption and preferences in 2 states, Assam and Manipur.              | Dr. Monosri Johari       | NA | NA | NA | Approved |
| 43                                  | Dr. Larimon Shylla<br>2023-VMK-40       | Factors affecting farm diversification and livelihood system of livestock farmers in West Jaintia Hills districts of Meghalaya | Dr. Leema Bora           | NA | NA | NA | Approved |
| VETY. ANATOMY & HISTOLOGY           |   |  |                          |    |    |    |          |
| 44                                  | Dr. Marshiya Jebin<br>2023-VMK-29       | Postnatal development of gizzard and intestine of Pati Duck( <i>Anas platyrhynchos domesticus</i> ) of Assam                   | Dr. Anil Deka            | NA | NA | NA | Approved |
| 45                                  | Dr. Mirmili Lektheipi<br>2023-VMK-30    | Anatomical study on post-natal development of Urinary System of Pati Duck ( <i>Anas platyrhynchos domesticus</i> ) of Assam    | Dr. Chandan Kumar Gautam | NA | NA | NA | Approved |
| LIVESTOCK PRODUCTION AND MANAGEMENT |   |  |                          |    |    |    |          |
| 46                                  | Dr. Ektiar Hossain Ahmed<br>2023-VMK-02 | Comparison of Assam Hill Goats Reared in Field and Farm Condition  | Dr. Adib Haque           | NA | NA | NA | Approved |
| 47                                  | Dr. Jupismita Medhi<br>2023-VMK-03      | Effect of stocking density on grouped finishing pigs' growth performance   | Dr. Raj Jyoti Deka       | NA | NA | NA | Approved |
| 48                                  | Dr. Prajyoti Rai<br>2023-VMK-05         | Identifying priming pheromone for enhancing reproductive efficiency in sow   | Dr. Raj Jyoti Deka       | NA | NA | NA | Approved |
| 49                                  | Dr. Pobal Saikia<br>2023-VMK-09         | Winter management of pre-weaned crossbred kids.  | Dr. Deepandita Barmam    | NA | NA | NA | Approved |



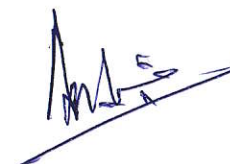
| Ph.D                                      |   |          |  |                          |                                 |                                 |                    |          |
|---|---|----------|--|--------------------------|---------------------------------|---------------------------------|--------------------|----------|
| 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>A.R.G.O</b>                            |   |          |  |                          |                                 |                                 |                    |          |
| 1   | Dr. Nekibuddin Ahmed<br>2022-VDK-04     |          | Identification of Estrus Biomarkers in Biological fluids of Lakhimi Cows Through Proteomics  | Dr. Lakshya Jyoti Dutta  | NA                              | NA                              | NA                 | Approved |
| 2   | Dr. Manna Baruti<br>2022-VDK-07         |          | Studies on the effect of different media on OPU derived in vitro embryo production in Lakhimi cattle                                   | Dr. Manjyoti Bhuyan      | NA                              | II                              | 2                  | Approved |
| <b>LIVESTOCK PRODUCTS TECHNOLOGY</b>      |   |          |  |                          |                                 |                                 |                    |          |
| 3   | Dr. Kuleswan Pame<br>2022-VDK-06        |          | Development and quality assessment of pet-treat for dogs by incorporating processed poultry by-products and goat skin                  | Dr. Saurabh Kumar Laskar | NA                              | II                              | 2                  | Approved |
| <b>VETY. MEDICINE</b>                     |   |          |  |                          |                                 |                                 |                    |          |
| 4   | Dr. Sampurna Nand Yadav<br>2022-VDK-05  |          | Comprehensive biomarker evaluation and tailored therapeutic approach for canine parvovirus infection                                   | Dr. Arabinda Phukan      | II                              | II                              | 2                  | Approved |
| <b>VETERINARY ANATOMY &amp; HISTOLOGY</b> |   |          |  |                          |                                 |                                 |                    |          |
| 5   | Dr. Snehangsu Sinha<br>2022-VDK-03      |          | Comparative anatomical and immune-related gene expression studies in major lymphoid organs of backyard chickens                        | Dr. Manmath Talukdar     | NA                              | NA                              | 1                  | Approved |
| <b>VETERINARY PARASITOLOGY</b>            |   |          |  |                          |                                 |                                 |                    |          |
| 6   | Dr. Dhirashree Choudhury<br>2022-VDK-08 |          | Hippoboscidae of Assam with special reference to vector potential of <i>Pseudolynchia</i> , <i>Lipoptena</i> and <i>Hippobosca</i> sp. | Dr. Saidul Islam         | NA                              | II                              | 2                  | Approved |

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| VETERINARY PUBLIC HEALTH                 |                                     |  |                     |     |    |   |  |
|--|-------------------------------------|--|---------------------|-----|----|---|--|
| 7  | Dr. Uttam Rajkhowa<br>2019-VDK-35   | Japanese encephalitis in pigs: Persistence, risk factors and their association with human cases                                  | Dr. R.A. Hazarika   | III | II | 2 | Approved   |
| VETERINARY PHYSIOLOGY                    |                                     |  |                     |     |    |   |  |
| 8  | Dr. Lipika Sarma<br>2021-VDK-18(II) | Fertility augmentation of crossbred heifers by supplementation with polyherbal mixture and minerals                              | Dr. Devojyoti Dutta | NA  | I  | I | Approved   |
| VETY. EPIDEMIOLOGY & PREVENTIVE MEDICINE |                                     |  |                     |     |    |   |  |
| 9  | Dr. Tinku Das<br>2021-VDK-15(ii)    | Epidemiology of animal rabies in fringe areas of Kaziranga National Park, Assam  | Dr. Jyoti B Dutta   | III | II | 2 | Approved. However, IBSC suggested that suspected samples should be collected by a pre-vaccinated registered veterinary practitioner and PPE kit must be used while sample collection |
| VETY. MICROBIOLOGY (COTTON UNIVERSITY)   |                                     |  |                     |     |    |   |  |
| 10                                       | Kanyaga Parameshwari .M             | Molecular characterization, immune response of Assam local isolate of duck enteritis virus and antiviral properties of Tinospora | Dr. N.N. Barman     | II  | II | 2 | Approved   |

|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  |  | cordifolia (Willd.) Miers and Phlogacanthus<br>thyrsoformis (Roxb.ex Hardw) Mabb |  |  |  |  |  |
|--|--|--|--|--|--|--|--|



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**Annexure II: 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.      | Animal Biotechnology    | Development of ZnO Nanoparticles and Herbal Extract Fortified Semen Extenders for Preservation of Boar Semen at Low Temperatures   | Dr.Lukumoni Buragohain          | ALSBT Hub, AAU, under DBT, Govt. of India | NA                              | NA                              | NA                 | Approved  |
| 2.      | Anatomy and Histology   | Formulation and immunological assessment of a few M-cell targeted bacterial protein delivery vehicles  | Dr.Chandan Kumar Gautam         | ALSBT Hub, AAU, under DBT, Govt. of India | I                               | II                              | 2                  | Approved  |
| 3.      | Veterinary Microbiology | All-India Network Project on Challenging and Emerging Diseases of Animals (AINP-CEDA)  | Dr. Durlav Prasad Bora          | ICAR, Govt of India, New Delhi            | III                             | III                             | 3                  | Provisionally approved, subjected to approval of RCGM |
| 4       | Veterinary Microbiology | Building a Surveillance Model for Detecting Zoonotic Spillover in Increased Animal-Human Interaction Settings Using a One Health Approach: A Study at Selected Slaughterhouses | Dr. Nagendra Nath Barman        | ICMR, Govt of India, New Delhi            | III                             | II                              | 2                  | Approved  |
| 5.      | Animal Biotechnology    | Exploring Nanoparticle-Endometrial Interactions for Enhanced Swine Reproductive Health   | Dr.Girin Hazarika               | ALSBT Hub, AAU, under DBT, Govt. of India | NA                              | NA                              | NA                 | Approved  |
| 6.      | Animal Biotechnology    | Study of antifungal activity of biosurfactant against zoonotic dermatophytes and development of an effective anti-dermatophytic topical medicine                               | Dr.Chandana Malakar             | DBT, Govt. of India, New Delhi            | II                              | II                              | 2                  | Approved  |
| 7.      | Animal Biotechnology    | Development of Salmonella Typhimurium Specific Chicken Egg Yolk Antibodies: A Cost-Effective Approach for Disease Prevention and Antibiotic                                    | Dr.Girin Hazarika               | ALSBT Hub, AAU, under DBT, Govt. of India | II                              | II                              | 2                  | Approved  |

|    |                         |   |                          |                              |    |    |    |  |
|----|-------------------------|---|--------------------------|------------------------------|----|----|----|--|
|    |                         | Resistance Mitigation   |                          |                              |    |    |    |  |
| 8  | Veterinary Microbiology | Efficacy of foot-and-mouth disease virus vaccine in pigs with different immunization regimen  | Dr. Pankaj Deka          | ICAR-NEH                     | II | II | 2  | Approved   |
| 10 | Veterinary Microbiology | Development of an effective and stable inactivated multivalent whole virus vaccine against economically important major poultry viral diseases: Strategies to improve the breadth and protective efficacy | Dr. Pankaj Deka          | Premium Chick Feeds Pvt. Ltd | II | II | 2  | Approved, however, project title to be corrected by PI and a new application to be submitted |
| 11 | ARGO                    | Preservation and Selling of Boar Semen  | Dr.Dhrubajyoti Borpujari | AAU                          | NA | NA | NA | Approved   |
| 12 | ARGO                    | Development of a Pheromone based spray for enhancing reproductive efficiency of Dairy Cattle of Assam   | Dr.Manjyoti Bhuyan       | AAU                          | NA | NA | NA | Approved   |
| 13 | ARGO                    | Development of a rapid diagnosis kit for early detection of bovine uterine infection in field condition   | Dr.Manjyoti Bhuyan       | AAU                          | NA | II | 2  | Approved   |
| 14 | ARGO                    | Implementation of IVF Technology under RGM at CVSc, AAU, Khanapara, Guwahati & Establishment of Professional training institute at LCVSc, AAU, Lakhimpur  | Dr.Manjyoti Bhuyan       | DAHD, Govt. of India         | NA | II | 2  | Approved   |
| 15 | ARGO                    | Development of a Portable Neonatal Intensive care Unit for Newborn Puppies  | Dr. Manna Baruti         | AAU                          | NA | NA | NA | Approved   |