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**welqt wek¦we`¨vj‡qi wk¶K I QvÎ-QvÎx‡`i M‡elYv Kv‡h© mnvqZv Kivi j‡¶¨ 2024-25 A\_© eQ‡ii M‡elYv Aby`vb Gi AvIZvq weÁwß (¯§viK bs- cwecÖwe/ AviwUwm-we/ 01/ 15/24/13 ZvwiL: 02/06/2024 wLª.) cÖ`v‡bi ci cÖvß M‡elYv cÖK‡íi ms‡kvwaZ P~ovšÍ ZvwjKvi mvi-ms‡ÿc wb¤œiƒc:**

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| SL. No. | Faculty | Total Project | Budget (TK)  For Research Project | Approved Budget (TK) (UGC-PSTU) |
|  | Agriculture | 49 | 1,32,30,000.00 | 1,40,00,000.00 +10,00,000.00 (Fund from PhD Fellowship)  **= 1,50,00,000.00** |
| Computer Science & Engineering | 13 |
| Business Administration | 16 |
| Animal Science and Veterinary Medicine | 26 |
| Fisheries | 14 |
| Environmental Science and Disaster Management | 16 |
| Nutrition and Food Science | 09 |
| Land Management and Administration    Total= | 01 |
|  | **Special Project** | **05** | 6,27,000.00 |
| **Total**  **otal** | **149** | **1,38,57,000.00** |
|  | Project Review, Compilation, Monitoring, Seminar, Workshop, Report preparation and Others | | **11,43,000.00** |
|  | Total (TK) | | **1,50,00,000.00** |

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| **Faculty: Agriculture** | | | | | | |
| **Sl. No.** | **Name of the PI/ Co-PI** | **Title** | **Duration** | **Student`s Information** | **Budget** | **Remarks** |
| **Department of Agricultural Botany** | | | | | | |
| 01. | Professor  Dr. Md. Abdul Kayum | Effects of different mulching and planting materials on growth, yield and quality of potato | 1 Year | MS(Student)=1 | 1,00,000.00 |  |
| 02. | Professor  A. B. M. Mahbub Morshed Khan | Assessment of Phenological Changes of rice yielding cropland due to Drought in Coastal Areas of Bangladesh using Remote Sensing Techniques | 1 Year |  | 95,000.00 |  |
| 03. | Professor  Md. Zohurul Haque | Evaluation of heat stress tolerance and Growing Degree Days (GDD) of wheat varieties to to be cultivated in non-saline short winter condition of Patuakhali | 1 Year |  | 95,000.00 |  |
| **Department of Agricultural Chemistry** | | | | | | |
| 04. | Professor  Dr. AKM. Faruk-E-Azam | Performance of radish (*raphanus sativus*) under saline conditions towards nutritional security in southern coastal region | 1 Year |  | 1,00,000.00 |  |
| 05. | Professor  Dr. Muhammad Maniruzzaman | Study of growth, yield and nutrients use efficiency of spinach using biochar and inorganic fertilizers | 1 Year | MS(Student)=1 | 95,000.00 |  |
| 06. | Professor  Dr. Md. Shariful Islam | The load of microorganisms in cooked foods preserved in different household conditions in Bangladesh | 1 Year | MS(Student)=1 | 1,20,000.00 |  |
| 07. | Professor  Dr. Md. Nizam Uddin | Quality rating of river, canal and pond water for Agricultural Uses at Satkhira Sadar Upazila of Bangladesh | 1 Year |  | 1,05,000.00 |  |
| 08. | Abdullah-Al-Zabir  Associate Professor | Analysis of heavy metals in water and sediments in rivers around the waste disposal sites in Madaripur district | 1 Year |  | 80,000.00 |  |
| **Department of Agricultural extension and Rural Development** | | | | | | |
| 09. | Professor  Dr. Md. Golam Rabbani Akanda | Farmers’ level Adoption Gap and Yield Impact on selected crops at coastal areas of Bangladesh | 1 Year |  | 90,000.00 |  |
| 10. | Professor  Dr. Md. Mamun-ur-Rashid | Occupational Hazards, Risks and Safety of Women Working in Marine Dry Fish Processing in Bangladesh | 1 Year | MS(Student)=1 | 1,15,000.00 |  |
| 11. | Shekhar Mondal  Assistant professor | Exploring factors influencing smallholder farmers` willingness on cover crop cultivation in Barisal district for agricultural sustainability and improving ecosystems | 1 Year |  | 65,000.00 |  |
| 12. | Professor  Dr. Md. Kamrul Hasan | Environmental vulnerability of coastal farmers in Patuakhali and Barguna district | 1 Year | MS(Student)=1 | 1,00,000.00 |  |
| **Department of Agroforestry** | | | | | | |
| 13. | Professor  Dr. Md. Masudur Rahman | Assessment of Tree Performance in Gherland Agroforestry: Instance of Jashore District | 1 Year | MS(Student)=6 | 1,00,000.00 |  |
| **Department of Agronomy** | | | | | | |
| 14. | Professor  Dr. Swadesh Chandra Samanta | Effect of agronomic management practices on growth, yield and economic performance of mustard relayed with T. Aman rice in non-saline ecosystem | Program based  (2024-26) | MS(Student)=2 | 1,00,000.00 |  |
| 15. | Professor  Dr. Purnendu Biswas | Yield Responses and Nutrient Content of Groundnut *(Arachis hypogaea L.)* under Vermicompost Application | 1 Year |  | 1,05,000.00 |  |
| 16. | Professor  Dr. Md. Zahid Hassan | Effect of Salt Stress on Sesame Cultivars and Mitigating through Silicon Appplication | 1 Year |  | 95,000.00 |  |
| 17. | Professor  Dr. Gopal Saha | Assessing silicon fertilization effects on the growth and productivity of two contrasting aus rice varieties exposed to drought stress conditions | Program based  (2024-26) | MS(Student)=1 | 95,000.00 |  |
| 18. | Professor  Nowrose Jahan Lipi | Enhancement of nitrogen use efficiency and growth of aman rice through biochar | 1 Year | MS(Student)=1 | 1,00,000.00 |  |
| 19. | Dr. Mst. Salma Khanam, Associate Professor | Impact of Hydropriming Durations on Germination and Seedling Growth of Soybean (*Glycine Max* L*.*) | 1 Year |  | 80,000.00 |  |
| 20. | Dr. Md. Isfatuzzaman Bhuyan  Assistant Professor | The importance of farmers' perceptions of climate change and salinity in improving dry season boro rice production in the south-central coast of Bangladesh | 1 Year |  | 70,000.00 |  |
| 21. | Professor  Dr. Md. Abuyusuf | Revival and conservation of local rice land races of coastal area | 1 Year |  | 85,000.00 |  |
| **Dept. of Biotechnology** | | | | | | |
| 22. | Professor  Dr. Khadiza Khatun | Responses of chilli (*Capsicum annuum* L.) to long-term heat stress | 1 Year |  | 1,00,000.00 |  |
| 23. | Professor  Asmaul Husna | Distribution, identification and pathogenicity assesment of *fusarium* spp. associated with bakanae disease of rice in southern areas of Bangladesh | Program based  (2023-26) |  | 95,000.00 |  |
| **Department of Entomology** | | | | | | |
| 24. | Professor  Dr. Mohammad Atikur Rahman | Morphometric Analysis and Genetic Divergence of Insect Species Complexes in Major Fruits from Patuakhali | 1 Year | MS(Student)=1 | 1,05,000.00 |  |
| 25. | Professor  Dr. Md. Mohasin Hussain Khan | Population dynamics and damage severity of leaf folder and stem borers of rice in selected rice growing areas of Bangladesh | 1 Year |  | 1,00,000.00 |  |
| 26. | Professor  Dr. S. M. Hemayet Jahan | Screening the Pests and Beneficial Insects for molecular fingerprint in Rice Ecosystem of Selected Five Upazila in Patuakhali District | 1 Year | MS(Student)=2 | 1,15,000.00 |  |
| 27. | Professor  Dr. Mohammad Asaduzzaman Miah | Efficacy of Malathion and Permethrin for controlling Adult dengue Mosquitoes  (*Aedes aegypti*) by thermal fogging in Laboratory Condition | 1 Year |  | 85,000.00 |  |
| 28. | Professor  Dr. Md. Asaduzzaman | Influences of extrinsic factors on *Deporaus marginatus* Pascoe infestation in mango at dumki, Patuakhali | 1 Year |  | 90,000.00 |  |
| 29. | Dr. Md. Mahi Imam Mollah  Associate Professor | Evaluation of Biorational Pesticides on Harmful and Beneficial Arthropods in Country Bean Field and Their Molecular Identification |  |  | 95,000.00 |  |
| **Department of Genetics and Plant Breeding** | | | | | | |
| 30. | Professor  Md. Abdul Latif | Survivals of some Arabian date palm genotypes including F1 (Phoenix dactylifera X Phoenix sylvestris) in Bangladeshi environment | Program based  3 Years |  | 1,05,000.00 |  |
| 31. | Dr. Md. Mahmudul Hasan  Associate Professor | Genomic screening of low Phosphorous tolerance in Bangladeshi rice landraces | 1 Year | MS(Student)=1 | 1,00,000.00 |  |
| 32. | Md. Mainul Islam Rashad  Assistant Professor | Screening for phosphorus use efficiency in local rice landraces | 1 Year |  | 75,000.00 |  |
| 33. | Professor  Dr. Nasar Uddin Ahmed | Genome-wide detection and characterization of the Brassinazole-Resistant (BZR) gene family and expression profiling at various developmental stages and against various stresses in jute *(Corchorus spp.)* | 1 Year | MS(Student)=2 | 1,15,000.00 |  |
| **Department of Horticulture** | | | | | | |
| 34. | Professor  Dr. Jewel Howlader | Effects of biochar-based substrates on  growth yield and quality of rock melon  varieties in drip hydroponic system | 1 Year |  | 1,00,000.00 |  |
| 35. | Professor  Dr. Mahbub Robbani | Biodiversity appraisal, gene pool assembling and morpho-physico-chemical markers of seeded banana in saline-prone Patuakhali coast | Program based  2 Years | Name: Md. Abu Suem  PhD Program | 1,05,000.00 |  |
| 36. | Professor  Md. Roman Akon | Optimizing an Aeroponic System for Growing Potato under Varied Nutrient Conditions | 1 Year |  | 85,000.00 |  |
| 37. | Professor  Dr. Santosh Kumar Bose | Development and evaluation of biosafe edible coating effect to maintain postharvest quality of banana | 1 Year |  | 1,05,000.00 |  |
| 38. | Professor  Mohammad Ali | Enhancement of postharvest qualities and shelf life of tomato using polysaccharide- based edible coating | 1 Year |  | 1,05,000.00 |  |
| 39. | Dr. Prianka Howlader  Associate Professor | Evaluation of different polysaccharides based edible coating effect on the postharvest quality of papaya | 1 Year |  | 95,000.00 |  |
| **Department of Plant Pathology** | | | | | | |
| 40. | Professor  Zehad Pervez | Morphological and molecular identification of fungal pathogens associated with the leaf spot of rose | 1 Year |  | 1,00,000.00 |  |
| 41. | Professor  Dr. Ashraful Alam | Evaluation of some botanicals to suppress *Sclerotium rolfsii* , causal agent of collar rot of sunflower | 1 Year | MS(Student)=3 | 95,000.00 |  |
| **Department of Soil Science** | | | | | | |
| 42. | Professor  Dr. Md. Delowar Hossain | I Influence of organic manure along with  chemical ferrtilizer on carrot for viable  consultation in coastal area of Bangladesh | 1 Year | MS(Student)=2 | 85,000.00 |  |
| 43. | Professor  Dr. Md. Fazlul Hoque | Monitoring of Soil and Water Salinity at  Different Locations of Patuakhali and  Borguna District during 2024-2025 | 1 Year | MS(Student)=2 | 1,05,000.00 |  |
| 44. | Professor  Dr. Md. Saiful Islam | Adoption of low-cost climate resilient technology in strengthening resilience to climate-related hazards and food security in the coastal area of Bangladesh | Program based  3Years |  | 1,05,000.00 |  |
| 45. | Professor  Md. Kamal Hossain | Effect of organic amendments and inorganic fertilizer on crop yield under saline condition | Program based  2 Years |  | 85,000.00 |  |
| 46. | Md. Rafiq Uddin  Assistant Professor | Isolation of Phosphorus Solubilizing Fungi from Saline and Non Saline Soils in South Coastal zone of Bangladesh | 1 Year |  | 70,000.00 |  |
| 47. | Dr. Md. Shahin Hossin, Associate Professor | Development of Suitable Nitrogen Fertilizer Package for Increasing Yield of Industrial Potato | Program based  3Years |  | 1,00,000.00 |  |
| 48. | Professor  Dr. Mohammad Kabirul Islam | Impacts of Coal-fired Power Plants on the Diversity and Community Structures of Soil Microbes | 1 Year |  | 95,000.00 |  |
| **Department of Statistics** | | | | | | |
| 49. | Professor  Md. Mehedi Hasan Sikdar | Risk in melon production: farmers’ perception and management strategies in Bangladesh | 1 Year |  | 95,000.00 |  |
| Total= | | |  |  | **47,00,000.00** |  |

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| **Faculty: Computer Science and Engineering** | | | | | | |
| **Sl. No.** | **Name of the PI/ Co-PI** | **Title** | **Duration** | **Student`s Information** | **Budget** | **Remarks** |
| **Department of Computer and Communication Engineering** | | | | | | |
| 50. | Professor  Md. Samsuzzaman | Performance enhancement of Microstrip Patch Antenna using Compact Single Negative Metamaterial for Wireless Applications | 1 Year |  | 1,00,000.00 |  |
| 51. | Professor  Golam Md. Muradul Bashir | Design and Development of Interactive e-Learning (IeL) System for Programming Language of Higher Secondary Level | 1 year |  | 90,000.00 |  |
| 52. | Sarna Majumder  Associate Professor | Compact Patch Antenna Design and Optimization Using Machine Learning Techniques | 1 Year |  | 1,10,000.00 |  |
| 53. | Arpita Howlader  Assistant Professor | An IOT based patient monitoring system utilizing NodeMCU with sensor multiplexing | 1 Year |  | 65,000.00 |  |
| **Department of Computer Science and Information Technology** | | | | | | |
| 54. | Professor  Dr. Md. Abdul Masud | Hybrid Deep Learning Approach for Load Profile Prediction | 1 Year | MS(Student)=1 | 95,000.00 |  |
| 55. | Professor  Chinmay Bepery | Development of a Speech-to-Text Model for Barishal Regional Dialects | 1 Year | MS(Student)=4 | 95,000.00 |  |
| 56. | Md. Mahbubur Rahman  Assistant Professor | Detection of Intrusions in Network Traffic A  Machine Learning Approach | 1 Year | MS(Student)=1 | 60,000.00 |  |
| 57. | Professor  Mohammad Jamal Hossain | CNN for Precision Aquaculture in Coastal Areas | 1 Year | MS(Student)=4 | 95,000.00 |  |
| **Department of Mathematics** | | | | | | |
| 58. | Professor  Dr. Muhammad Masudur Rahaman | Numerical study of dam break model for subcritical and strongly supercritical flow by 2nd order scheme | 1 Year |  | 95,000.00 |  |
| **Department of Physics and Mechanical Engineering** | | | | | | |
| 59. | Professor  Dr. Khokon Hossen | Design and development of solar photovoltaic (PV)-based irrigation system for increasing agricultural productivity | 3 Years | PHD = 1  MS(Student)=4 | 95,000.00 |  |
| 60. | Professor  Dr. Olly Roy Chowdhury | Solar Powered Wireless Sensor Network Based Real Time Dissolved Oxygen Level Monitoring and Control Unit for Aquaculture Farm | 1 Year | MS(Student)=1 | 80,000.00 |  |
| 61. | Humaira Takia,  Associate Professor | Assessment of activity concentration of radionuclides of 226Ra, 232Th, And 40K in Rice samples in Patuakhali region, Bangladesh | 1 Year |  | 95,000.00 |  |
| **Department of Electrical and Electronics Engineering** | | | | | | |
| 62. | Professor  Md. Naimur Rahman | Design and Development of Soil Characterization System for Agricultural Field Using Internet of Things (IoT) | 1 Year | MS(Student)=1 | 95,000.00 |  |
| Total = | | |  |  | **11,70,000.00** |  |

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| **Faculty: Business Administration** | | | | | | | |
| **Sl. No.** | **Name of the PI** | **Title** | **Duration** | **Student`s Information** | | **Budget** | **Remarks** |
| **Department of Accounting and Information Systems** | | | | | | | |
| 63. | Professor  Md. Zakir Hosen | Factors influencing NPLs and its Effects on Banking Stability in Bangladesh | 1 Year |  | | 95,000.00 |  |
| 64. | Professor  Dr. Md. Takibur Rahman | Bridging the gap : Exploring the connection between financial shortfalls and productivity of prawn and shrimp aquaculture farms` in Bangladesh | 1 Year |  | | 95,000.00 |  |
| **Department of Economics and Sociology** | | | | | | | |
| 65. | Professor  Abul Basar Khan | Impact of drug abuse on academic performance and mental health: a study among University students in Bangladesh | 1 Year |  | 85,000.00 | |  |
| 66. | Professor  Dr. Md. Sujahangir Kabir Sarkar | Impacts of seasonal climate extremes on the farm production in the coastal areas of Bangladesh | 1 Year |  | 1,00,000.00 | |  |
| 67. | Professor  Dr. Anup Kumar Mandal | Post-Harvest Loss and Value Chain Analysis of Pangas in Selected Areas of Bangladesh | 1 Year |  | 90,000.00 | |  |
| **Department of Finance and Banking** | | | | | | | |
| 68. | Professor  Dr. Md. Nur Nabi | Impact of integrated market power of firms on trade credit and institutional ownership: Evidence from Bangladesh | 1 Year |  | 1,05,000.00 | |  |
| 69. | Professor  Dr. Md. Hasan Uddin | Determinants of Capital Structure in SMEs:  A Structural Equation Modeling Approach in the Bangladeshi context | 1 Year |  | 90,000.00 | |  |
| 70. | Professor  Dr. Kumar Debasis Dutta | Does digital financial inclusion help or hurt sustainable development? Evidence from panel data analysis | 1 Year |  | 85,000.00 | |  |
| **Department of Management Studies** | | | | | | |  |
| 71. | Professor  Dr. Mohammad Muzahidul Islam | Assessing the implications of emerging technologies on the evolution of the gig economy in Bangladesh: A study on adoption, Disruption, and Socio-Economic dynamics | 1 Year |  | 95,000.00 | |  |
| 72. | Md. Tariqul Islam,  Associate Professor | Impact of Smart Human Resource Management Adoption on Organizational Performance: Challenges and Opportunities in Developing Economy | 1 Year |  | 90,000.00 | |  |
| 73. | Md. Momin Uddin  Associate Professor | Exploring the Contributing Factors to Employee Engagement and impact of those on Job Satisfaction: A Study on Employees of Fisheries Organizations of Bangladesh | 1 Year |  | 85,000.00 | |  |
| **Department of marketing** | | | | | | | |
| 74. | Professor  Dr. Imranul Islam | Exploring the potential business opportunities from the fisheries waste management in Bangladesh | Program based  3 Years |  | 95,000.00 | |  |
| 75. | Abdulla Al-Towfiq Hasan  Assistant professor | Strategies of promoting eco-tourism destinations in Bangladesh for promoting environmental conservation and sustainability | 1 Year |  | 60,000.00 | |  |
| 76. | Mahamudul Hasan  Associate Professor | The influence of threat appeals and coping mechanisms on boycott intentions: Mediating effects of Self-Determination theory and moderation by fear of invalidity | 1 Year |  | 1,00,000.00 | |  |
| **Department of Language and Communication** | | | | | | | |
| 77. | Professor  Dr. Md. Zillur Rahman | Enhancing English Writing Skill through Performance Assessment: A Study at PSTU | 1 Year |  | 95,000.00 | |  |
| 78. | Sultana Jahan  Assistant Professor | The Impact of psychological environments for second language learning at secondary level in Bangladesh | 1 Year |  | 60,000.00 | |  |
| Total | | |  |  | **14,25,000.00** | |  |

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| **Faculty: Animal Science and Veterinary Medicine** | | | | | | |
| **Sl. No.** | **Name of the PI** | **Title** | **Duration** | **Student`s Information** | **Budget** | **Remarks** |
| **Department of Dairy Science** | | | | | | |
| 79. | Professor  Dr. Tanni Chanda | Observation of microbial load with added adulterates/preservatives in raw milk of local milk producers and middlemen | 1 Year |  | 1,15,000.00 |  |
| **Department of Anatomy and Histology** | | | | | | |
| 80. | Professor  Dr. Md. Saidur Rahman | Effectcs of exercise on cortical neurodegeneration and functional deficits induced by chronic stress in mice | 1 Year | MS(Student) = 1 | 1,05,000.00 |  |
| 81. | Professor  Dr. Muhammad Tuffazzal Hussan  Co PI|-Md. Anwar Jahid  Assistant Professor | Evaluation of homeopathic medicine serum anguillae for the management of acute renal failure in mouse | 1 Year |  | 95,000.00 |  |
| **Department of General Animal Science and Animal Nutrition** | | | | | | |
| 82. | Professor  Dr. Faisal Kabir | A survey on indigenous cattle fattening program under farmer’s condition at coastal region in Bangladesh | 1 Year | MS(Student) = | 95,000.00 |  |
| 83. | Professor  Dr. Mohammad Moniruzzaman Monir | Development of Beef and Chicken  Bone Broth in Bangladesh Context. | 1 Year | MS(Student) = 1 | 1,00,000.00 |  |
| 84. | Professor  Dr. Muhammad Shahbubul Alam | Comparative study on physical and chemical characteristics of silage, making from Napier pakchong-1 grass, German grass and Mize fodder. | 1 Year | MS(Student) = 1 | 1,00,000.00 |  |
| **Department of Genetics and Animal Breeding** | | | | | | |
| 85. | Professor  Dr. Quzi Sharmin Akter | Factors affecting conception rate following artificial insemination in selected area at Barishal District | 1 Year |  | 1,05,000.00 |  |
| 86. | Professor  Dr. Ripon Chandra Paul | The Scenario of Horse production, morphology and reproductive characteristics at selected area of Barishal Division in Bangladesh | 1 Year |  | 1,00,000.00 |  |
| **Department of Medicine, Surgery & Obstetrics** | | | | | |  |
| 87. | Professor  Dr. Ashit Kumar Paul | Management of anoestrus cow/heifers through the different treatment protocols (phase-II) | 2 Years  (ongoing) | MS(Student) = 1 | 95,000.00 | **(Ongoing Project)** |
| 88. | Professor  Dr. Md. Selim Ahmed | Seroprevalence and assessment of risk factors of Peste des petits (PPR) in sheep and goats in some selected areas of Barishal district, Bangladesh | 1 Year |  | 1,05,000.00 |  |
| 89. | Dr. Mohammad Lalmoddin  Mollah  Associate Professor | Seroprevalence and associated risk factors of brucellosis in cattle at the particular coastal area of Bangladesh | 1 Year | MS(Student) = 1 | 1,00,000.00 |  |
| 90. | Professor  Dr. Mohammad Anisur Rahman | Evaluation of minimizing effects of antiseptic solutions on pathogenic bacteria like *E. coli* and *salmonella* spp. during egg processing and milk production | 1 Year |  | 1,00,000.00 |  |
| 91. | S.M. Hanif  Assistant Professor | Management of surgical wounds in goats using homeopathic medicine: an alternative to antibiotics | 1 Year |  | 70,000.00 |  |
| 92. | Dr. Dipa Rani Pal  Assistant Professor | Prevalence and Haematological Changes in Haemoprotozoan Infections in Cattle of Barishal district, Bangladesh | 1 Year |  | 65,000.00 |  |
| **Department of Microbiology and Public Health** | | | | | | |
| 93. | Professor  Dr. Farzana Islam Rume | Phenotypic characterization and antibiotic resistance profiles of *Enterococcus spp.* In broiler poultry from selected farms in Barishal, Bangladesh | 1 Year | MS(Student) = 1 | 1,05,000.00 |  |
| 94. | Professor  Mohammad Enamul Hoque Kayesh | Molecular characterization of influenza A virus infection in domestic cats, in Bangladesh | 1 Year |  | 1,00,000.00 |  |
| 95. | Dr. Md. Yeasin Arafat  Assistant Professor | Isolation, Identification, and Antibiotic Susceptibility Profiling of *Streptococcus dysgalactiae* in Poultry from Coastal Areas of Bangladesh | 1 Year  55,733.00 |  | 70,000.00 |  |
| **Department of Pathology and Parasitology** | | | | | | |
| 96. | Professor  Dr. Md. Shah Alam | Molecular detection of hemopathogens in tabanids flies (Diptera: Tabanidae) and cattle in Southern Bangladesh: A Taxonomic Approach | 1 Year | MS(Student) = 1 | 1,05,000.00 |  |
| 97. | Professor  Dr. Shib Shankar Saha | Analyzing post freezing broiler meat quality and development of sustainable technology for improvement (phase 1) | 1 Year | MS(Student) = 1 | 1,05,000.00 |  |
| 98. | Professor  Dr. Khondoker Jahengir Alam | Pathological investigation of Inclusion Body Hepatitis (IBS) in commercial chickens in selected areas of Barishal district | 1 Year | MS(Student) = 1 | 1,00,000.00 |  |
| **Department of Physiology and Pharmacology** | | | | | | |
| 99. | Professor  Md. Ali Asgar | Efficacy of hematinic mixture alone and in combination with liver tonics or amino acid supplementation in bovine calf anemia | 1 Year | MS(Student) = 1 | 1,00,000.00 |  |
| 100. | Professor  Dr. Md. Ahsanur Reza | Immune ameliorating activities of *Musa oranta* (Sagar Kala) leaves extract in broiler chicken’ | 1 Year |  | 95,000.00 |  |
| 101. | Professor  Dr. Mohammad Rohul Amin | Establishment of indigenous medicinal plants  garden and herbarium in the faculty of  ANSVM campus and evaluating the effects  of some selected medicinal plant extracts on  heath and performance of animals and poultry | Program based  3years | MS(Student) = 1 | 95,000.00 |  |
| **Department of Poultry science** | | | | | | |
| 102. | Professor  M. H. Kawsar | Impact of Curcumin Supplementation on the Laying Performances and Egg Quality in Ducks | Program based  2years |  | 1,00,000.00 |  |
| 103. | Dr. Prodip Kumar Sarkar  Associate Professor | Safe meat production with turmeric (*Curcuma longa*) powder in commercial broilers | 1 Year |  | 95,000.000 |  |
| **Department of Animal Products and By-products Technology** | | | | | | |
| 104. | Mohammad Hafizur Rahman  Assistant Professor | Development and formulation of value-added  milk by-products | 1 Year |  | 70,000.00 |  |
| Total= | | |  |  | **24,90,000.00** |  |

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| **Faculty: Fisheries** | | | | | | |
| **Sl. No.** | **Name of the PI** | **Title** | **Duration** | **Student`s Information** | **Budget** | **Remarks** |
| **Department. of Aquaculture** | | | | | | |
| 105. | Professor Dr. Lokman Ali | Bioaccumulation and distribution of heavy metals in Prawn farms and its toxic effects on human health | 3 year  22-23 to 24-25 |  | 1,05,000.00 |  |
| 106. | Professor  Dr. Kanij Rukshana Sumi | Nutritional profiling and assessment of heavy metals in wild and cultured sea bass (*Lates calcarifer*) | Program based |  | 90,000.00 |  |
| 107. | Dr. Muhammad Abdur Raazzak  Associate Professor | Assessment of Heavy Metals in Farmed Giant Freshwater Prawn (*Macrobrachium rosenbergii*), Associated Water and Sediment from Bagerhat in South -Western Bangladesh | 1 Year | MS(Student) = 5 | 80,000.00 |  |
| **Department of Fisheries Biology and Genetics** | | | | | | |
| 108. | Professor  Dr. Md. Ariful Alam | Study on spawning, propagation, reproductive biology and gonadal development of Hilsa (*Tenualosa ilisha*) of coastal population in Bangladesh | Program based |  | 1,05,000.00 |  |
| 109. | Md. Arifur Rahman  Associate Professor | Physiological Responses of Nile Tilapia on Animal-Plant Based Diets | 1 Year | MS(Student) = 1 | 1,00,000.00 |  |
| 110. | Professor  Dr. Md. Rajib Sharker | Effects of dietary supplementation of Asiatic pennywort leaf powder on growth performance, hemato-biochemical parameters and expression of immune related genes of GIFT tilapia, *Oreochromis niloticus* | 1 Year |  | 85,000.00 |  |
| 111. | Dr. Md. Nazmul Haque  Assistant Professor | Determination the effects of microplastic on neuroendocrine gene expression profile of stinging catfish, *Heteropneustes fossilis* | 1 Year |  | 70,000.00 |  |
| **Department of Fisheries Management** | | | | | | |
| 112. | Professor  Md. Moazzem Hossain | Study the reproductive biology and feeding ecology of the threatened ray-finned fish, *Rhinomugil corsula* (Hamilton, 1822) in the southern coastal region of Bangladesh | 3 Years |  | 90,000.00 |  |
| 113. | Dr. Ferdous Ahamed  Associate Professor | Estimation of reproductive aspects of the  Black tiger shrimp *Penaeus monodon*  collected from the southern coastal waters of  Bangladesh | 1 Year | MS(Student) = 2 | 85,000.00 |  |
|  | Dr. Ferdous Ahamed  Associate Professor | Estimation of reproductive aspects of the  Black tiger shrimp *Penaeus monodon*  collected from the southern coastal waters of  Bangladesh | Estimation of reproductive aspects of the  Black tiger shrimp *Penaeus monodon*  collected from the southern coastal waters of  Bangladesh |  |  |  |
| **Department of Fisheries Technology** | | | | | | |
| 114. | Professor  Dr. Md. Sazedul Hoque | Status Identification, and Value-added Utilization of Finfish and Shellfish By-Products: a Way Forward to Fisheries Waste Utilization in Bangladesh | Program based | MS(Student) = 1 | 1,05,000.00 |  |
| 115. | Suprakash Chakma  Associate Professor | Marine fish and shellfish species from the Bay of Bengal supply health beneficial amounts of bioactive fatty acids | 1 Year |  | 95,000.00 |  |
| 116. | Professor  Dr. Md. Mizanur Rahman | Effects of culinary techniques on nutritional and quality characteristics of lean and fatty fish chunk | Program based |  | 1,00,000.00 |  |
| 117. | Mst. Niloy Jaman,  Associate Professor | Sensory and Chemical analysis of Marinaded Fish Products from Skipjack Tuna (*Katsuwonus pelamis*) Fish Fillet at low temperature (4 c) | 1 Year |  | 1,00,000.00 |  |
| **Department of Marine Fisheries and Oceanography** | | | | | |  |
| 118. | Abdullah-Al-Hasan  Assistant Professor | Spatial-temporal distribution, characteristics and risk assessments of the microplastics in fish species of the Rabnabad channel of the Bay of Bengal, Bangladesh | 1 Year | MS(Student) = 1 | 75,000.000 |  |
| **Total=**  Total= | | |  |  | **12,85,000.00** |  |

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| **Faculty: Environmental Science and Disaster Management** | | | | | | |
| **Sl. No.** | **Name of the PI** | **Title** | **Duration** | **Student`s Information** | **Budget** | **Remarks** |
| **Department of Emergency Management** | | | | | |  |
| 119. | Professor  Dr. Ayesha Akter | Evaluation of Groundwater Quality and trace metal Sources Distribution in Jashore Sadar | 1 Year | MS(Student) = 1 | 1,05,000.00 |  |
| 120. | Professor  Md. Shamsuzzoha | Emergency Response Needed Area Assessment for Rice-Grower Farmers Affected by Cyclone Bulbul in Patuakhali District of Bangladesh Using remote sensing and fuzzy expert system | 1 Year | MS(Student) = 1 | 1,00,000.00 |  |
| 121. | Md. Rasheduzzaman  Assistant Professor | Sustainability in Water Provision for Improving Potable Water Shortages Issues in the Vulnerable Coastal Parts of Bangladesh: An assessment of opportunities and challenges of rainwater storages system (RSS) for Implications of SDG 6.1. | 1 Year | MS(Student) = 1 | 70,000.00 |  |
| **Department of Environmental Science** | | | | | | |
| 122. | Professor  Dr. Ahmed Parvez | Effects of temperature and salinity on public health in Kalapara Coastal Community. | 1 Year | MS(Student) = 1 | 95,000.00 |  |
| 123. | Professor  Dr. Md. Nurul Amin | Climate Change Adaptation Strategies for Coastal Farmers: Social-ecological Governance and Practice Interface | 1Year | MS(Student) = 5 | 95,000.00 |  |
| 124. | Papri Hazra  Associate Professor | Impacts of floating agriculture: economic, environmental and social perspective | 1Year | MS(Student) = 1 | 95,000.00 |  |
| 125. | Md. Tariqul Islam  Associate Professor | Assessing the Knowledge, Attitudes, and Practices (KAP) of Fishermen Regarding Climate Change and its Impacts on Livelihood at Kalapara Upazila of Patuakhali, Bangladesh. | 1Year |  | 95,000.00 |  |
| 126. | Sanjida Aktar  Assistant Professor | Analyzing the effect of Salinity on Brick Masonry in Satkhira, Bangladesh. | 1Year | MS(Student) = 1 | 70,000.00 |  |
| 127. | Muhammad Arifur Rahman  Assistant Professor | Scenario of Medical Waste Management towards Smart Healthcare: A Case study on Barisal Municipality | 1Year |  | 60,000.00 |  |
| 128. | Md. Ashiqur Rahman  Assistant Professor | Identification of various impacts of drying up Goria river: A study on Kushtia municipality | 1Year |  | 70,000.00 |  |
| **Department of Disaster Resilience and Engineering** | | | | | | |
| 129. | Md. Faisal  Associate Professor | Comprehensive Analysis of Climate-Smart Agricultural Technologies for climate change Adoption in Southwestern Coastal Bangladesh: Understanding Farmers’ Perception, Effectiveness, Adoption Factors, and Suitability | 1 Year |  | 95,000.00 |  |
| 130. | Muhaimenul Alam Fiaz  Assistant Professor | A Geotechnical Approach to Evaluate the Bearing Capacity of Soil in Southern Region of Bangladesh: A Case Study at Bakerganj Upazila of Barishal District | 1 Year |  | 75,000.00 |  |
| 131. | Ayesha Siddiqua  Assistant Professor | Analysis of solid waste management system in coastal city | 1 Year |  | 65,000.00 |  |
| **Department of Geo-Information Science and Earth Observation** | | | | | | |
| 132. | Mawya Siddeqa  Associate Professor | Heatwave Vulnerability and exposure Mapping of Barishal City by using GIS data | 1 Year |  | 1,00,000.00 |  |
| 133. | Md Touhiduzzaman  Associate Professor | Integrated landside hazard mapping and risk assessment in Chittagong hill districts(CHD) of Bangladesh: A remote sensing and GIS approach | 1 Year |  | 90,000.00 |  |
| 134. | Arif Uddin Ahmad  Assistant Professor    Department of Geo-information Science and Earth  Observation, PSTU, | The effect of Temperature and Rainfall Variability on the urban health island intensification in Major Coastal Cities of Bangladesh | 1 Year |  | 60,000.00 |  |
| Total = | | |  |  | **13,40,000.00** |  |

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| **Faculty: Nutrition and Food Science** | | | | | | |
| **Sl. No.** | **Name of the PI** | **Title** | **Duration** | **Student`s Information** | **Budget** | **Remarks** |
| **Department of Biochemistry and Food Analysis** | | | | | | |
| 135. | Professor  Dr. Dilruba Easmin Jharna | Mitigating Salt Stress Effects by Exogenous Application of Osmolyte on Morphological and Biochemical Attributes of Rice (*Oryza satyva)* Genotypes | 1 Year | PHD = 3  MS(Student) = 5 | 1,00,000.00 |  |
| 136. | Professor  Md. Shahidul Islam | Measurement of 226Ra, 232Th, And 40K radionuclides in Pulse samples and associated health hazards in Patuakhali, Bangladesh | 1 Year | MS(Student) = 4 | 95,000.00 |  |
| 137. | Dr. Nitai Chandra Roy Associate Professor | Evaluating the effect of educational intervention on consumers awareness, safety perception, and information needs on food additives in Bangladesh: | 1 Year |  | 90,000.00 |  |
| **Department of Environmental Health and Sanitation** | | | | | | |
| 138. | Professor  Md. Nazmul Hassan | Urinary iodine concentration of lactating mothers and their infants during the first six months of lactation in different districts of Bangladesh. | 1 Year | MS(Student) = 1 | 1,05,000.00 |  |
| 139. | Md. Hasanuzzaman  Associatet Professor | Assessment of Water, Sanitation and Hygiene Facilities and Microbiological Quality of Drinking Water at Various Locations within Patuakhali Science and Technology University Campus | 1 Year | MS(Student) = 1 | 1,00,000.00 |  |
| **Department of Food Technology and Engineering** | | | | | | |
| 140. | Mohammad Abdulla Al Noman  Assistant Professor | Effects of Blanching andAloe Vera Gel Coatings on Extending the Shelf  Life of Cucumbers and Pointed Gourd | 1 Year | MS(Student) = 1 | 65,000.00 |  |
| **Department of Human Nutrition and Dietetics** | | | | | | |
| 141. | Sumaia Sahrin  Assistant Professor | Pr Prevalence and Risk Factors of Anemia among Un University Female Students in southern Bangladesh:  A cross-sectional Study | 1 Year |  | 70,000.00 |  |
| 142. | M. M. Mehedi Hasan  Assistant Professor | Triglyceride-glucose index and risk of cardiovascular diseases in Bangladeshi adults | 1 Year |  | 75,000.00 |  |
| **Department of Post-harvest Technology and Marketing** | | | | | | |
| 143. | Md. Nazrul Islam  Assistant Professor | Evaluation of the physical-chemical, properties of watermelon rind candy developed from pre-waste watermelon rinds | 1 Year |  | 60,000.00 |  |
| Total = | | |  |  | **7,60,000.00** |  |

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| **Faculty: Law and land administration** | | | | | | |
| **Sl. No.** | **Name of the PI** | **Title** | **Duration** | **Student`s Information** | **Budget** | **Remarks** |
| **Department of Law and land administration** | | | | | | |
| 144. | Md. Rahmat Sarker  Assistant Professor | Factors affecting domestic violences against women and children in Dumki upazila of Patuaklali district : Can a more effective mechanism or instrument trim-down domestic violences ? | 1 Year |  | 60,000.00 |  |
| **Total =** | | |  |  | **60,000.00** |  |

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| **Special Project** | | | | | | |
| **Sl. No.** | **Name of the PI** | **Title** | **Duration** | **Student`s Information** | **Budget** | **Remarks** |
| 145. | Professor  Dr. Md. Mamun-ur-Rashid  Dept. of Agricultural extension and Rural Development | Effect of PSTU Innovation Dissemination Center Training on Farmer`s Technological Knowledge and Safe Vegetable Production | 1 Year |  | 1,00,000.00 |  |
| 146. | Professor  Dr. Md. Alamgir Kabir  Dept .of Agroforestry | Enriching Plant Biodiversity Of PSTU Campus Through Planting Of Medicinal And Ornamental Tree / Shrub Species | 1 Year |  | 1,00,000.00 |  |
| 147. | Professor  Dr. Md. Takibur Rahman  Dept. of Accounting and Information Systems | Leveraging Machine Learning For Innovation And Optimization In Agri-Food And Fisheries Sectors. | 1 Year |  | 1,00,000.00  +  77,000.00 |  |
| 148. | Professor  Dr. Md. Zillur Rahman  Dept. of Language and Communication | Spring up into Your English Course proposal for the Intensive English Program ( IEP) at PSTU | 1 Year |  | 1,00,000.00 |  |
| 149. | Professor  Dr. Kazi Rafiqul Islam  Dept. of Food Microbiology and Safety | Antibiotic Resistance Assessment in Bacteria isolated from Birds Surrounding the Lake in Patuakhali Science and Technology University, Dumki, Patuakhali | 1 Year |  | 1,50,000.00 |  |
| **Total =** | | |  |  | **6,27,000.00** |  |
| **Grand Total =** | | |  |  | **1,38,57,000.00** |  |

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| Professor Dr. Md. Mamun-ur-Rashid  Director  Research and Training Centre  Patuakhali Science and Technology University  Dumki, Patuakhali-8602 | Professor Dr. Kazi Rafiqul Islam  Vice-Chancellor  Patuakhali Science and Technology University  Dumki, Patuakhali-8602 |