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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. | ProfessorDr. 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. | ProfessorA. 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. | ProfessorMd. 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. | ProfessorDr. 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. | ProfessorDr. 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. | ProfessorDr. 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. | ProfessorDr. 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-ZabirAssociate 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. | ProfessorDr. 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. | ProfessorDr. 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 MondalAssistant 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. | ProfessorDr. 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. | ProfessorDr. 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. | ProfessorDr. 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. | ProfessorDr. Purnendu Biswas | Yield Responses and Nutrient Content of Groundnut *(Arachis hypogaea L.)* under Vermicompost Application | 1 Year |  | 1,05,000.00 |  |
| 16. | ProfessorDr. Md. Zahid Hassan | Effect of Salt Stress on Sesame Cultivars and Mitigating through Silicon Appplication | 1 Year |  | 95,000.00 |  |
| 17. | ProfessorDr. 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. | ProfessorNowrose 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 BhuyanAssistant 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. | ProfessorDr. Khadiza Khatun | Responses of chilli (*Capsicum annuum* L.) to long-term heat stress | 1 Year |  | 1,00,000.00 |  |
| 23. | ProfessorAsmaul 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. | ProfessorDr. 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. | ProfessorDr. 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. | ProfessorDr. 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. | ProfessorDr. 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. | ProfessorDr. 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 MollahAssociate 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. | ProfessorMd. Abdul Latif | Survivals of some Arabian date palm genotypes including F1 (Phoenix dactylifera X Phoenix sylvestris) in Bangladeshi environment | Program based3 Years |  | 1,05,000.00 |  |
| 31. | Dr. Md. Mahmudul HasanAssociate Professor | Genomic screening of low Phosphorous tolerance in Bangladeshi rice landraces  | 1 Year | MS(Student)=1 | 1,00,000.00 |  |
| 32. | Md. Mainul Islam RashadAssistant Professor | Screening for phosphorus use efficiency in local rice landraces | 1 Year |  | 75,000.00 |  |
| 33. | ProfessorDr. 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. | ProfessorDr. 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. | ProfessorDr. 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 SuemPhD 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. | ProfessorDr. Santosh Kumar Bose | Development and evaluation of biosafe edible coating effect to maintain postharvest quality of banana | 1 Year |  | 1,05,000.00 |  |
| 38. | ProfessorMohammad Ali | Enhancement of postharvest qualities and shelf life of tomato using polysaccharide- based edible coating  | 1 Year |  | 1,05,000.00 |  |
| 39. | Dr. Prianka HowladerAssociate 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. | ProfessorDr. 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. | ProfessorDr. 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. | ProfessorDr. Md. Fazlul Hoque | Monitoring of Soil and Water Salinity atDifferent Locations of Patuakhali andBorguna District during 2024-2025 | 1 Year | MS(Student)=2 | 1,05,000.00 |  |
| 44. | ProfessorDr. 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. | ProfessorMd. 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. | ProfessorMd. 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. | ProfessorGolam 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 MajumderAssociate Professor | Compact Patch Antenna Design and Optimization Using Machine Learning Techniques | 1 Year |  | 1,10,000.00 |  |
| 53. | Arpita HowladerAssistant 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. | ProfessorDr. Md. Abdul Masud | Hybrid Deep Learning Approach for Load Profile Prediction | 1 Year | MS(Student)=1 | 95,000.00 |  |
| 55. | ProfessorChinmay Bepery | Development of a Speech-to-Text Model for Barishal Regional Dialects | 1 Year | MS(Student)=4 | 95,000.00 |  |
| 56. | Md. Mahbubur RahmanAssistant Professor | Detection of Intrusions in Network Traffic A Machine Learning Approach | 1 Year | MS(Student)=1  | 60,000.00 |  |
| 57. | ProfessorMohammad Jamal Hossain  | CNN for Precision Aquaculture in Coastal Areas | 1 Year | MS(Student)=4 | 95,000.00 |  |
| **Department of Mathematics** |
| 58. | ProfessorDr. 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 = 1MS(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. | ProfessorMd. Zakir Hosen  | Factors influencing NPLs and its Effects on Banking Stability in Bangladesh | 1 Year |  | 95,000.00 |  |
| 64. | ProfessorDr. 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. | ProfessorDr. 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. | ProfessorDr. 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. | ProfessorDr. Md. Hasan Uddin | Determinants of Capital Structure in SMEs: A Structural Equation Modeling Approach in the Bangladeshi context | 1 Year |  | 90,000.00 |  |
| 70. | ProfessorDr. 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. | ProfessorDr. 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 UddinAssociate 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. | ProfessorDr. Imranul Islam | Exploring the potential business opportunities from the fisheries waste management in Bangladesh | Program based3 Years |  | 95,000.00 |  |
| 75. | Abdulla Al-Towfiq HasanAssistant professor | Strategies of promoting eco-tourism destinations in Bangladesh for promoting environmental conservation and sustainability | 1 Year |  | 60,000.00 |  |
| 76. | Mahamudul HasanAssociate 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. | ProfessorDr. 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. | ProfessorDr. 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. | ProfessorDr. 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. | ProfessorDr. Muhammad Tuffazzal HussanCo PI|-Md. Anwar JahidAssistant 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. | ProfessorDr. 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. | ProfessorDr. Mohammad Moniruzzaman Monir | Development of Beef and Chicken Bone Broth in Bangladesh Context. | 1 Year | MS(Student) = 1 | 1,00,000.00 |  |
| 84. | ProfessorDr. 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. | ProfessorDr. Quzi Sharmin Akter  | Factors affecting conception rate following artificial insemination in selected area at Barishal District | 1 Year |  | 1,05,000.00 |  |
| 86. | ProfessorDr. 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. | ProfessorDr. 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 LalmoddinMollahAssociate 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. | ProfessorDr. 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. HanifAssistant 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. | ProfessorMohammad 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 ArafatAssistant Professor | Isolation, Identification, and Antibiotic Susceptibility Profiling of *Streptococcus dysgalactiae* in Poultry from Coastal Areas of Bangladesh | 1 Year55,733.00 |  | 70,000.00 |  |
| **Department of Pathology and Parasitology** |
| 96. | ProfessorDr. 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. | ProfessorDr. 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. | ProfessorDr. 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. | ProfessorMd. 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. | ProfessorDr. Md. Ahsanur Reza  | Immune ameliorating activities of *Musa oranta* (Sagar Kala) leaves extract in broiler chicken’ | 1 Year |  | 95,000.00 |  |
| 101. | ProfessorDr. Mohammad Rohul Amin  | Establishment of indigenous medicinal plants garden and herbarium in the faculty of ANSVM campus and evaluating the effectsof 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. | ProfessorM. 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 SarkarAssociate 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 RahmanAssistant 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 year22-23 to 24-25 |  | 1,05,000.00 |  |
| 106. | ProfessorDr. 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 RaazzakAssociate 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. | ProfessorDr. 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 RahmanAssociate Professor | Physiological Responses of Nile Tilapia on Animal-Plant Based Diets | 1 Year | MS(Student) = 1 | 1,00,000.00 |  |
| 110. | ProfessorDr. 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 HaqueAssistant 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. | ProfessorMd. 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 AhamedAssociate 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 AhamedAssociate 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. | ProfessorDr. 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 ChakmaAssociate 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. |  ProfessorDr. 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-HasanAssistant 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. RasheduzzamanAssistant 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. | ProfessorDr. 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 HazraAssociate Professor | Impacts of floating agriculture: economic, environmental and social perspective | 1Year | MS(Student) = 1 | 95,000.00 |  |
| 125. | Md. Tariqul IslamAssociate 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 AktarAssistant Professor | Analyzing the effect of Salinity on Brick Masonry in Satkhira, Bangladesh. | 1Year | MS(Student) = 1 | 70,000.00 |  |
| 127. | Muhammad Arifur RahmanAssistant 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. FaisalAssociate 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 SiddiquaAssistant 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. | ProfessorDr. 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 = 3MS(Student) = 5 | 1,00,000.00 |  |
| 136. | ProfessorMd. 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. | ProfessorMd. 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. HasanuzzamanAssociatet 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 NomanAssistant Professor | Effects of Blanching andAloe Vera Gel Coatings on Extending the ShelfLife of Cucumbers and Pointed Gourd | 1 Year | MS(Student) = 1 | 65,000.00 |  |
| **Department of Human Nutrition and Dietetics** |
| 141. | Sumaia SahrinAssistant 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 HasanAssistant 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. | ProfessorDr. Md. Mamun-ur-RashidDept. 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. | ProfessorDr. Md. Alamgir KabirDept .of Agroforestry | Enriching Plant Biodiversity Of PSTU Campus Through Planting Of Medicinal And Ornamental Tree / Shrub Species | 1 Year |  | 1,00,000.00 |  |
| 147. | ProfessorDr. Md. Takibur RahmanDept. 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. | ProfessorDr. Md. Zillur RahmanDept. 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 IslamDept. 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 DirectorResearch and Training CentrePatuakhali Science and Technology UniversityDumki, Patuakhali-8602 | Professor Dr. Kazi Rafiqul IslamVice-ChancellorPatuakhali Science and Technology UniversityDumki, Patuakhali-8602 |