# Sponsored Research/Consultancy

| Name of the faculty | Project title | Project Type Research/Consultancy | Funding Agency | Amount | Duration |
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| Dr. Ratul Kumar Baruah | Development of a Mobile Application and Agroclimatic Atlas for Climate Smart Agriculture in Assam | Research(PI) | Indian Space Research organization (ISRO) in collaboration with Assam Agricultural University (AAU) Jorhat, | 25L | 2022-25 |
| Dr. Ratul Kumar Baruah | Fractal Web-based flexible Interconnects | Research(PI) | DST SERB | 26L | 2022-2025 |
| Dr. D. Sonowal | Information Security Educaton & awareness Phase-iii | Research(PI) | MeitY | 360 L | 2023-2026 |
| Prof. N. M.Kakoty | Development of A Cost-Effective EMG Controlled Prosthetic Hand for Multiple Patterns | Research(PI) | I-Hub Foundation for COBOTICS, Technology Innovation Hub of IIT Delhi set up by DST, Govt. of India | 90.77L | 2021-2024 |
| Prof. N. M.Kakoty | Multi-Modal Sensor System for Prosthetic Hand with Embedded Intelligence | Research(PI) | BioCyTiH Foundation, Goa | 26.5L | 2024-2025 |
| Prof. S. Roy | Development of a Low Cost AI-Enable Cardiovascular disease detection device for rapid onsite assesment | Research(PI) | ICMR | 40L | 2024-2027 |
| Prof. V.K. Nath | Automated Medicinal Plant Identification using Deep learning based techniques | Mentor | DST | 29,70,000.00 | 5 years |
| Dr. B. Mondal | Sensor array on flexible substrate for monitoring BTEX VOCs and hydrocarbons particularly present in oil and natural gas industrial environment. | Research(PI) | SERB, DST, Govt. of India | 23.82 L | 3 years |
| Dr. B. Mondal | Strategic development of materials and devices for clean energy production | Research (Co-PI) | MeiTY | 10 Cr | 4 years |
| Dr. B. Mondal | Facility for simulation and characterization of advanced | Research (Co-PI) | DST, Govt. Of India, Under FIST program | 172 L | 5 years |

| | electronic devices and circuits (Co-Invistigator) | | | | |
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| Prof. B. Deka | Design and development of Internet of Medical Things and AI-based mental health alert system with smartphone application using Ear-Electroencephalogram waves and Photoplethysmography vital physiological measurements | Research(PI) | ICMR | 47465128 | 3 years |
| Prof. B. Deka<br>Dr. P. Kakoty<br>Dr. R. Goswami | Exploring Knowledge on Medieval Assam: Multidisciplinary IKS Centre at Tezpur University | Research (Co-PI) | IKS Division of MoE @AICTE, New Delhi | 32Lakhs | 2023-2025 |
| Dr. Rupam Goswami (Co-PI)<br>Dr. Bhabesh Deka (Co-PI) | India - Assam - Sustainable Rural Community Development | | The Institute of Electrical and Electronics Engineers, Incorporated ("IEEE") | 59470 USD | 18 months |