

## SPONSORED PROJECTS DURING FY 2025-26: UNDERWAY

| Sl. No. | Title of the project  | Principal Investigator     | Co Investigator(s), if any                         | Sponsoring Agency               | Budget Sanctioned (INR) | Duration                            |
|---------|---|----------------------------|--|---------------------------------|-------------------------|-------------------------------------|
| 1       | Single crystal growth and investigation of topological materials.   | Dr. Moumita Nandi          | Nil  | DST INSPIRE Fellowship          | ₹3,500,000.00           | 24 December 2020 - 23 December 2025 |
| 2       | Fabrication of low cost sensor devices for early detection of biomarkers related to neurological disorders using 2D nanomaterials | Dr. Abdul Rasheed P.       | Nil  | Department of Biotechnology     | ₹11,360,000.00          | 01 September 2021 - 31 August 2026  |
| 3       | Complex network analysis of granular materials  | Dr. Krishnaraj K P         | Nil  | DST Inspire                     | ₹3,500,000.00           | 01 November 2021 - 31 October 2026  |
| 4       | An automated fluorescence slide imaging microscope for portable and low cost applications   | Dr. Vijay Muralidharan     | Nil  | SERB SRG                        | ₹3,125,350.00           | 28 January 2022 - 27 January 2024   |
| 5       | Funds Received from Bill & Melinda Gates Foundation   | Dr. Vivek Chaturvedi       | Nil  | Bill & Melinda Gates Foundation | ₹206,138,550.00         | 24 March 2022 - 31 March 2027       |
| 6       | Wearable/Portable Biomimetic Nanosensors for On-site Detection of Organophosphate Nerve Agents and Illicit Drugs                  | Dr. Yugender Goud Kotagiri | Nil  | SERB Ramanujan Fellowship       | ₹3,800,000.00           | 09 May 2022 - 08 May 2027           |
| 7       | Development of High RAP Mixtures: Laboratory Investigation on the Effect of Bio-Rejuvenators                                      | Dr. C. V. Veena Venudharan | Dr. Gourab Saha, Assistant Professor, NIT Rourkela | SERB POWER                      | ₹5,862,032.00           | 28 June 2022 - 27 June 2025         |
| 8       | Engineering porous silicon for capacitive deionization  | Dr. Revathy Padmanabhan    | Nil  | SERB POWER                      | ₹5,815,832.00           | 28 June 2022 - 27 June 2025         |

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| 9  | Microphase Separation in the Bottlebrush Polymers under Confinement: An Effective Ruling Principle for Microscopic Organization | Dr. Debarati Chatterjee  | Nil                     | SERB POWER               | ₹1,844,832.00 | 28 June 2022 - 27 June 2025           |
| 10 | Eternal Vertex Cover Problem of Bipartite Graphs, Constant Treewidth Graphs and Planar graphs                                   | Dr. Jasine Babu  | Nil                     | SERB POWER               | ₹1,745,832.00 | 18 July 2022 - 17 July 2025           |
| 11 | Multiplicities and graded algebras associated to filtrations of ideals  | Dr. Parangama Sarkar   | Nil                     | SERB POWER               | ₹1,341,840.00 | 18 July 2022 - 17 July 2025           |
| 12 | Synthesis of layered transition metal oxides and oxysulfides for optoelectronic applications                                    | Dr. Tanushree Holme Choudhury, Assistant Professor, IIT Bombay | Dr. Revathy Padmanabhan | SERB POWER               | ₹0.00         | 14 September 2022 - 13 September 2025 |
| 13 | Coding for Low-Latency Communication  | Dr. Nikhil Krishnan M.   | Nil                     | DST INSPIRE              | ₹3,500,000.00 | 19 September 2022 - 18 September 2027 |
| 14 | Design and Evaluation of OTFS and OCDM Transceivers for Underwater Acoustic Communication                                       | Dr. Jobin Francis  | Dr. Albert Sunny        | Naval Research Board     | ₹2,136,880.00 | 02 November 2022 - 01 November 2025   |
| 15 | Seismic Fragility Analysis of Dams in the state of Kerala   | Dr. Arun C. O.   | Nil                     | KSCSTE ETP               | ₹1,492,800.00 | 21 November 2022 - 20 November 2025   |
| 16 | Stochastic Resonance based detectors using thin-film integrated ferroelectrics  | Dr. Arvind Ajoy  | Nil                     | SERB CRG                 | ₹7,373,630.00 | 26 December 2022 - 25 December 2025   |
| 17 | DST INSPIRE Fellowship  | Dr. Mayarani M.  | Nil                     | DST INSPIRE              | ₹3,500,000.00 | 02 January 2023 - 01 January 2028     |
| 18 | Relevance of Protein Secondary Structure in Polypeptide-Enzyme Interactions for Regulating the Enzymatic Function – A           | Dr. Padmesh A.   | Nil                     | SERB Core Research Grant | ₹3,483,832.00 | 07 January 2023 - 06 January 2026     |

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|----|---|------------------------|---|---------------------------|----------------|-------------------------------------|
|    | Combined Theoretical and Experimental Approach  |                        |   |                           |                |                                     |
| 19 | The study of Turaev cobracket from a hyperbolic geometric perspective   | Dr. Arpan Kabiraj      | Nil   | SERB MATRICS              | ₹660,000.00    | 07 January 2023 - 06 January 2026   |
| 20 | Information Geometric Approach to Estimation Error Bounds   | Dr. M. Ashok Kumar     | Nil   | SERB MATRICS              | ₹660,000.00    | 10 January 2023 - 09 January 2026   |
| 21 | Fix Point Computation of Herbrand Equivalence of Expressions in Data Flow Frameworks using Abstract Interpretation  | Dr. Jasine Babu        | Nil   | SERB MATRICS              | ₹660,000.00    | 10 January 2023 - 09 January 2026   |
| 22 | Complexity of Graph Contraction Problems  | Dr. Krithika Ramaswamy | Nil   | SERB MATRICS              | ₹660,000.00    | 12 January 2023 - 11 January 2026   |
| 23 | Balance in Chaos - Searching for Equitable Patterns in Edge- Colored Graphs   | Dr. Krithika Ramaswamy | Dr. Jasine Babu & Dr. Deepak Rajendraprasad | SERB CRG                  | ₹1,919,082.00  | 23 January 2023 - 22 January 2026   |
| 24 | Semilinear Elliptic Boundary Value Problems on Unbounded Domains in $R^2$   | Dr. Lakshmi Sankar K.  | Nil   | SERB CRG                  | ₹2,675,596.00  | 23 January 2023 - 22 January 2026   |
| 25 | Design and development of an underwater cleaning robot for marine applications  | Dr. Santhakumar Mohan  | Dr. Jagadeesh Kadiyam                       | IITG TIDF                 | ₹2,360,000.00  | 31 January 2023 - 30 January 2026   |
| 26 | Compact, High-gain Ultrawideband Antennas for Real-time Underwater Wireless Communication   | Dr. Sukomal Dey        | Dr. Jobin Francis                           | IITG TIDF                 | ₹1,680,000.00  | 31 January 2023 - 30 January 2026   |
| 27 | Study for improved estimation as well as understanding of deep cloud particles and melting layer microphysical properties using phase based polarimetric radar simulations and measurements | Dr. Swaroop Sahoo      | Nil   | SERB CRG                  | ₹1,800,120.00  | 07 February 2023 - 06 February 2026 |
| 28 | Deep learning-based inversion for geosteering and novel computational techniques for electrodynamics  | Dr. Arijit Hazra       | Nil   | SERB Ramanujan Fellowship | ₹11,900,000.00 | 22 February 2023 - 21 February 2028 |

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| 29 | Performance evaluation of tunnel and slope support systems against the coupled effect of freeze-thaw cycle and dynamic loading                             | Dr. Ankesh Kumar         | Nil                                    | SERB EMEQ                       | ₹4,457,332.00  | 28 February 2023 - 27 February 2026 |
| 30 | Establishment of facilities for Micro/Nano Fabrication, Surface Modification and Characterization of Materials   | Dr. Samarjeet Chanda     | Mechanical Engineering Faculty Members | DST FIST                        | ₹16,800,000.00 | 07 March 2023 - 06 March 2028       |
| 31 | Two Dimensional Covalent Organic Frameworks: Design Principles and Material Applications in Sustainable Energy and Environment                             | Dr. Umadevi D.           | Dr. Shanmugaraju S.                    | DST Women Scientist A           | ₹3,224,247.00  | 14 March 2023 - 13 March 2026       |
| 32 | Investigations on the Rebinder effect and associated process mechanics in precision machining  | Dr. Afzaal Ahmed         | Nil                                    | Mikrotools Pte. Ltd., Singapore | ₹0.00          | 24 April 2023 - 24 April 2026       |
| 33 | Design of a Cyber-Physical System for Supporting Decision Making in Smart City Infrastructure Management   | Dr. Senthilkumar V.      | Dr. Shang-Hsien Hsieh                  | DST GITA                        | ₹3,562,476.00  | 10 May 2023 - 09 May 2026           |
| 34 | Experimental and numerical studies on ammonia combustion in a Trapped Vortex Combustor   | Dr. Krishna Sessa Giri   | Nil                                    | SERB CRG                        | ₹5,254,832.00  | 31 May 2023 - 30 May 2026           |
| 35 | METHOD AND SYSTEM OF FOR DETECTING AN OBJECT USING MICROWAVE IMAGING   | Dr. Sukomal Dey          | Nil                                    | SERB TETRA                      | ₹3,010,000.00  | 07 June 2023 - 06 June 2025         |
| 36 | Design and development of high stiffness gradient substrate for cellular mechanosensing  | Dr. Bibhu Ranjan Sarangi | Nil                                    | ERG                             | ₹1,650,000.00  | 19 June 2023 - 18 June 2025         |
| 37 | Improvement of surface and tribological properties of Laser Powder Bed Fusion (LPBF) processed Ti6Al4V alloy through anodising for biomedical applications | Dr. D. Kesavan           | Nil                                    | ERG                             | ₹500,000.00    | 19 June 2023 - 18 June 2025         |

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| 38 | Pumped thermal energy storage system for IIT Palakkad: Study on feasibility by developing a lab-scale prototype   | Dr. Pramod Kuntikana & Dr. Anand TNC | Nil | SGP | ₹1,900,000.00 | 19 June 2023 - 18 June 2025 |
| 39 | An Acoustic Study of the Nasal Consonants in Malayalam  | Dr. Reenu Punnoose                   | Nil | ERG | ₹722,000.00   | 19 June 2023 - 18 June 2025 |
| 40 | Fatigue performance improvement of additive manufactured aerospace components using a sequential post-processing strategy   | Dr. Afzaal Ahmed                     | Nil | ERG | ₹1,250,000.00 | 19 June 2023 - 18 June 2025 |
| 41 | Physics aware AI/ML based spatio-temporal root zone soil moisture estimation and agricultural drought characterization  | Dr. Sarmistha Singh                  | Nil | ERG | ₹1,150,000.00 | 19 June 2023 - 18 June 2025 |
| 42 | Plasma electropolishing (PeP) for metal additive manufacturing  | Dr. Dinesh Setti                     | Nil | SGP | ₹3,500,000.00 | 19 June 2023 - 18 June 2025 |
| 43 | Self-assembly Formation of “Amino-1,8-Naphthalimide-Tröger’s base” Scaffold Based Novel Structures, Smart Materials, and Functional Polymers with Tunable Properties for Use in Biological and Environmental Applications | Dr. Shanmugaraju Sankarasekaran      | Nil | ERG | ₹1,900,000.00 | 19 June 2023 - 18 June 2025 |
| 44 | Sound attenuation by line and annular mass membrane acoustic metamaterials  | Dr. Anoop Akoorath Mana              | Nil | SGP | ₹2,450,000.00 | 19 June 2023 - 18 June 2025 |
| 45 | Guiding active particles through complex environments   | Dr. Vishwas V                        | Nil | ERG | ₹1,172,000.00 | 19 June 2023 - 18 June 2025 |
| 46 | Development of a Prototype and Portable Imaging System for Malignant Tumor Detections Over Near Field Ultra - Wideband Regime Powered by Radio Frequenc Signals   | Dr. Sukomal Dey                      | Nil | ERG | ₹1,450,000.00 | 19 June 2023 - 18 June 2025 |

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| 47 | High Temperature Superconductivity   | Dr. Jayakumar Balakrishnan                                    | Nil  | ERG   | ₹1,050,000.00 | 19 June 2023 - 18 June 2025           |
| 48 | Sustainable Slope Stabilization in Unsaturated Laterite Soil using Biopolymer  | Dr. S. Smitha (mentored by Dr. Rakesh J Pillai)               | Nil  | CMNPF   | ₹2,200,000.00 | 20 June 2023 - 19 June 2025           |
| 49 | Study on Pull-Out Resistance of Soil Nails for Climate- Resilient Infrastructures in Kerala Soil Conditions  | Dr. Sudheesh T K  | Dr. Rakesh J. Pillai   | Kerala Highway Research Institute (KHRI)                            | ₹3,498,000.00 | 25 June 2023 - 25 June 2025           |
| 50 | Resonance as a Phonetic Resource in Language Cognition: A Cross-Linguistic Articulatory-Acoustic-Perception Study of Liquids                                     | Dr. Reenu Punnoose & Dr. Ghada Khattab (NEWCASTLE UNIVERSITY) | Dr. Indranil Dutta (English and Foreign Languages University) & Dr. Danielle Turton (LANCASTER UNIVERSITY) | Scheme for Promotion of Academic and Research Collaboration (SPARC) | ₹3,457,450.00 | 28 July 2023 - 27 July 2025           |
| 51 | Development of Real-time Compact AI-Enabled UWB Radar Based See-Through-wall Human Sensing System for Hand-Held and Mobile Robot Based Human Search Applications | Dr. Subrahmanyam Mula   | Dr. Sukomal Dey & Dr. Sabarimalai Manikandan   | MeitY C2S   | ₹8,521,000.00 | 16 August 2023 - 15 August 2028       |
| 52 | A comprehensive approach to disentangle climate and land cover change impact on water resources DECLARE  | Dr. Athira P.   | Nil  | DST DAAD  | ₹1,480,000.00 | 11 September 2023 - 10 September 2025 |
| 53 | Exploring many body effects in quantum machines  | Dr. Uma Divakaran   | Nil  | SERB POWER  | ₹1,734,832.00 | 15 September 2023 - 14 September 2026 |
| 54 | Paper-Based Lateral Flow Assay-Based Electrochemical Sensor for The Early Diagnosis of Kidney Dysfunction by the   | Dr. Jeethu Raveendran (Mentored by                            | Nil  | CMNPF (Chief Minister's Navakerala                                  | ₹2,200,000.00 | 18 September 2023 - 17 September 2025 |

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|----|---|-------------------------|----------------------------------|---------------------------------|---------------|-------------------------------------|
|    | simultaneous Detection of Creatinine and Cystatin C   | Prof. Jagadeesh Bayry)  |                                  | Post-Doctoral Fellowship)       |               |                                     |
| 55 | A mul'targeted polypharmaceu'cal approach to simultaneously interfere Nipah virus life cycle and to reac'vate host an'viral immune response: In silico screening, docking and ADMET studies     | Prof. Jagadeesh Bayry   | Nil                              | ERG                             | ₹2,000,000.00 | 01 October 2023 - 30 September 2025 |
| 56 | Dispersion Controlled in Silico Catalyst Design for the Chemical Hydrogen Battery   | Dr. Rositha Kuniyil     | Nil                              | MoE STARS                       | ₹3,500,000.00 | 03 October 2023 - 02 October 2026   |
| 57 | Physics Aware AI/ML Tool for Spatiotemporal Root Zone Soil Moisture Estimation  | Dr. Sarmistha Singh     | Dr. Sahely Bhadra                | IDEAS-TIH, ISI, Kolkotha        | ₹4,950,000.00 | 09 October 2023 - 08 October 2025   |
| 58 | Near net shape manufacturing of difficult to 3D print and fusion weld metals via friction welding for space and nuclear applications  | Dr. Buchibabu Vicharapu | Nil                              | SGP                             | ₹3,500,000.00 | 21 November 2023 - 20 November 2025 |
| 59 | Optimization for an Image Reconstruction Mechanism for Breast Tumor Detection over the Ultra-wideband Regime with High Gain and Compact Antennas utilizing Near Field Microwave Medical Imaging | Dr. Sukomal Dey         | Dr. Mahesh R Panicker            | IIT Mandi iHub & HCI Foundation | ₹3,791,535.00 | 06 December 2023 - 05 December 2025 |
| 60 | Design and Development of Advanced Forensics Data Analytics Tool  | Dr. Vivek Chathurvedi   | CDAC Trivandrum & CDAC Bangalore | MeitY                           | ₹1,998,000.00 | 14 December 2023 - 13 December 2025 |
| 61 | Next Generation of Low Oxidation State and Low Coordinate Cations of s-Block Compounds: Base Metals with Noble Intentions   | Dr. Yuvaraj K           | Nil                              | SERB SRG                        | ₹3,258,873.00 | 19 December 2023 - 18 December 2025 |

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| 62 | Macrocyclic - Derived Porous Organic Polymers for Task - Specific Sensing and Removal of Emerging organic Contaminants from water                                       | Dr. Shanmugaraju Sankarasekaran                              | Nil  | SERB EMEQ                        | ₹3,722,461.00 | 10 January 2024 - 09 January 2027 |
| 63 | Development of DSM based design rules for cold-formed steel columns undergoing shift of centroid  | Dr. Hareesh M (SERB TARE Fellow)                             | Dr. Anil Kumar M V (Mentor)                                  | SERB TARE                        | ₹930,000.00   | 22 January 2024 - 21 January 2027 |
| 64 | Tuning the structure and functional properties of "amino-1,8- naphthalimide Troger's base" scaffolds as organic electrode materials for sustainable battery application | Dr. Shanmugaraju Sankarasekaran                              | Nil  | SERB CRG                         | ₹4,374,832.00 | 25 January 2024 - 24 January 2027 |
| 65 | Communication-Efficient Gradient Aggregation for Hierarchical Networks  | Dr. Anoop Thomas Indian Institute Of Technology, Bhubaneswar | Dr. Nikhil Krishnan M Dr. Siddhartha Suruj Borkotoky         | SERB CRG                         | ₹1,058,222.00 | 30 January 2024 - 29 January 2027 |
| 66 | Development of Cost-Effective 2.5kW PEM Fuel Cell Stack based on Less Pt-Bimetallic Electrocatalysts and Mesoporous Carbon support materials                            | Dr. Dinesh Jagadeesan  | Dr. Krishna Sessa Giri                                       | Centre for High Technology (CHT) | ₹1,754,000.00 | 31 January 2024 - 30 January 2026 |
| 67 | Swiss-roll fuel reformer  | Dr. Krishna Sessa Giri                                       | Nil  | IPTIF - IMPACT                   | ₹3,100,000.00 | 31 January 2024 - 30 July 2025    |
| 68 | Compact and Efficient GaN-based Battery Pre-heater Module for Operations in Subzero Climatic Conditions   | Dr. Naga Brahmendra Yadav Gorla                              | Nil  | IPTIF - IMPACT                   | ₹2,000,000.00 | 31 January 2024 - 30 January 2026 |
| 69 | Catalytic overlayers sensors for early detection of battery thermal runaways  | Dr. Dinesh Jagadeesan  | Prof. P. Biji PSG Institute of Advanced Studies - Coimbatore | IPTIF - IMPACT                   | ₹2,227,000.00 | 31 January 2024 - 30 July 2025    |

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| 70 | Design and Development of 3-D printer for Fabricating Sustainable Product  | Dr. S Kanmani Subbu      | Nil  | IPTIF - IMPACT   | ₹2,200,000.00 | 31 January 2024 - 30 July 2025      |
| 71 | Design and development of a passive battery thermal management system for electric vehicles  | Dr. Samarjeet Chanda     | Nil  | IPTIF - IMPACT   | ₹2,017,000.00 | 31 January 2024 - 30 July 2025      |
| 72 | Optimal product configuration for SMT line   | Dr. Narayanan C Krishnan | Nil  | IPTIF - IMPACT   | ₹1,350,000.00 | 31 January 2024 - 30 January 2026   |
| 73 | Methods to Improve the Reliability of the Wind Turbine GearBox System  | Dr. Kesavan D            | Nil  | IPTIF - IMPACT   | ₹2,109,000.00 | 31 January 2024 - 30 July 2025      |
| 74 | Fabrication of low-cost sensor prototype device for the real-time detection of anesthetic drugs from human samples   | Dr Abdul Rasheed P       | Dr. M. Sabarimalai Manikandan & Dr Saleem Akhtar<br>KG Hospital and Postgraduate Medical Institute, Coimbatore                       | IPTIF - IMPACT   | ₹2,400,000.00 | 31 January 2024 - 30 July 2025      |
| 75 | Design and development of indigenous, cost-effective Autonomous Tractor, for Indian Farming Conditions and Applications (A- TRACT)" by CDAC-Thiruvananthapuram, CDAC-Hyderabad, IIT-Palakkad and Industry (Mahindra and Mahindra, MRV Chennai) | Dr. Sneha Gajbhiye       | "Sh. Jerry Daniel J, Sci 'G', CDAC-Thiruvananthapuram<br>Sh. Santosh Sam Koshy, Joint Director, CDAC-Hyderabad<br>Sh. Siddesh Gowda, | Ministry of Electronics and Information Technology (MeitY) | ₹4,856,000.00 | 07 February 2024 - 06 February 2027 |

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|    |   |   | Engineer, Sh. A Sivakumar, Head, Mahindra & Mahindra"  |       |               |                                    |
| 76 | Coloniality and other frameworks of power: How mental health systems in India think about suffering | Dr. Sudarshan R. Kottai                             | Nil  | SGA   | ₹290,000.00   | 08 February 2024 - 08 January 2026 |
| 77 | Cooperative Bond Activation by Heterometallic Low Valent Group 13 and Group 14 Compounds            | Dr. Yuvaraj K.                                      | Nil  | SGP   | ₹2,500,000.00 | 08 February 2024 - 31 January 2026 |
| 78 | Unified Framework for Collaborative Intelligent Systems   | Dr. Albert Sunny                                    | Dr. Sandeep Chandran<br>Dr. Vivek Chaturvedi   | IPTIF | ₹2,965,639.00 | 23 February 2024 - 04 August 2026  |
| 79 | Real-time Monitoring and Control of Road Bridge Structure   | Dr. Sanjukta Chakraborty                            | Dr. Shaikshavali Chitraganti<br>Dr. Santhakumar Mohan<br>Dr. Sneha Gajbhiye                            | IPTIF | ₹1,772,639.00 | 23 February 2024 - 04 August 2026  |
| 80 | High power density switched reluctance motor and drives   | Dr. Vijay Muralidharan<br>Dr. Ramkrishna Pasumarthy | Dr. Arun Mahindrakar (Professor, IIT Madras)<br>Dr. Bharath Bhikkaji (Associate Professor, IIT Madras) | IPTIF | ₹2,969,639.00 | 23 February 2024 - 04 August 2026  |

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| 81 | Cyber Physical Systems in Collaboration with Artificial Intelligence for Smart Agriculture Improving Energy Efficiency and Environment Safety | Dr. Satyajit Das             | Dr. Sahely Bhadra<br>Assistant Professor,<br>&<br>Dr. Sreenath V<br>Assistant Professor  | IPTIF TDSP | ₹3,760,439.00 | 23 February 2024 - 04 August 2026 |
| 82 | Development of Low-altitude Microsatellites Using Long-endurance Glider Plane Collaboration   | Dr. Vijay Muralidharan       | Dr. Sneha Gajbhiye<br>Dr. Shaikshavali Chitraganti<br>Dr. Anirudh Guha<br>Dr. Arun Mahindrakar (Professor, IIT Madras)<br>Dr. Bharath Bhikkaji (Associate Professor, IIT Madras) | IPTIF      | ₹3,682,000.00 | 24 February 2024 - 12 August 2026 |
| 83 | Energy Efficient Distributed Estimation and Control of Networked Robots and its Implementation Architectures                                  | Dr. Shaikshavali Chitraganti | Dr. Subrahmanyam Mula<br>Dr. Vijay Muralidharan<br>Dr. Sneha Gajbhiye  | IPTIF      | ₹3,700,644.00 | 26 February 2024 - 04 August 2026 |

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| 84 | Design, Development and Control of a Multi-purpose Mobile Manipulator for Intelligent and Collaborative Manipulation Tasks  | Prof. Santhakumar Mohan | Dr. Vijay Muralidharan<br>Dr. Sneha Gajbhiye                                    | IPTIF                  | ₹858,639.00    | 27 February 2024 - 04 August 2026 |
| 85 | Design and Development of an Intervention-class Underwater Robotic Vehicle with Tilting Thrusters for Marine Applications   | Prof. Santhakumar Mohan | Dr. Subrahmanyam Mula<br>Dr. Shaikshavali Chitraganti<br>Dr. Sneha Gajbhiye     | IPTIF                  | ₹720,000.00    | 28 February 2024 - 04 August 2026 |
| 86 | Aerial Dexterous Manipulators, Grasping and Transportation  | Dr. Sneha Gajbhiye      | Dr. Shaikshavali Chitraganti<br>Dr. Santhakumar Mohan<br>Dr. Vijay Muralidharan | IPTIF                  | ₹1,776,639.00  | 29 February 2024 - 04 August 2026 |
| 87 | Design, Synthesis and Pharmacological Evaluation of Novel Isoform-specific Histone Deacetylase (HDAC) Inhibitors as Potential Anticancer Therapeutics, via A fluorous-tag Assisted High-throughput Synthetic Platform | Dr. Sushabhan Sadhukhan | Nil   | SERB                   | ₹4,521,000.00  | 04 March 2024 - 03 March 2027     |
| 88 | DEVELOPMENT OF DESIGN METHOD FOR WEB CRIPPLING STRENGTH OF CFS BEAMS  | Dr. Anil Kumar M. V.    | Nil   | SERB CRG               | ₹2,694,558.00  | 12 March 2024 - 11 March 2027     |
| 89 | Condition Assessment & Management Plan (CAMP) for Periyar River Basin   | Dr. Athira P.           | Dr. Praveena Gangadharan<br>Dr. Subhasis Mitra                                  | Ministry of Jal Shakti | ₹34,500,000.00 | 15 March 2024 - 14 March 2027     |

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|    |  |                        | Dr. Sarmistha Singh<br>Dr. Deepak Jaiswal   |  |               |                               |
| 90 | Automated focusing algorithms for fluorescence/brightfield slide imaging microscope  | Dr. Vijay Muralidharan | Nil   | IITD ANUBHUTI                                  | ₹3,500,000.00 | 15 March 2024 - 14 March 2026 |
| 91 | Design and Realization of Self-Sustainable, Wearable, Non-invasive and Implantable Wireless Drug Delivery System for Intracranial Pressure Monitoring, Powered by Electromagnetic Energy | Dr. Sukomal Dey        | Dr. Syarfa zahirah Sapuan (Universiti Tun Hussein Onn Malaysia)<br>Dr. Ignatius Agung Wibowo (Universitas Mercu Buana Jl. Meruya Selatan) | SERB ASEAN                                     | ₹2,321,696.00 | 22 March 2024 - 21 March 2026 |
| 92 | Development of multifunctional MXene based drug delivery system for efficient delivery of cyclic AMP to the human dendritic cells towards the treatment of inflammatory diseases         | Dr. Abdul Rasheed P    | Prof. Jagadeesh Bayry   | Higher Education Financing Agency (HEFA)       | ₹4,159,000.00 | 01 April 2024 - 31 March 2027 |
| 93 | Studies on condition monitoring of electric vehicle battery packs for Indian climatic conditions   | Dr. Samarjeet Chanda   | Nil   | Anusandhan National Research Foundation (ANRF) | ₹5,624,696.00 | 21 May 2024 - 20 May 2027     |
| 94 | Development of a novel cooling strategy for dry grinding and experimental investigations on its performance  | Dr. Dinesh Setti       | Nil   | Anusandhan National Research Foundation (ANRF) | ₹2,918,256.00 | 21 May 2024 - 20 May 2027     |

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| 95  | Design and Development of a Robotic Rubber latex Collection System  | Prof. Santhakumar Mohan         | Nil   | Anusandhan National Research Foundation (ANRF) | ₹6,152,256.00 | 31 May 2024 - 30 May 2027       |
| 96  | Controlling Imperfections in Quantum Devices  | Dr. Amit Kumar Pal              | Prof. Aditi Sen De,<br>Physics<br>Harish-Chandra Research Institute | Anusandhan National Research Foundation (ANRF) | ₹3,430,596.00 | 01 June 2024 - 31 May 2027      |
| 97  | Development of Low-cost Customizable Multipurpose Material for Removal of Multiple Toxic Environmental Pollutants including Heavy metals, Dyes, Pharmaceuticals, CO2 and Iodine | Dr. Mintu Porel                 | Nil   | ERG  | ₹2,380,000.00 | 03 June 2024 - 02 December 2025 |
| 98  | Development of Smart Manufacturing framework for Wire Electrical Discharge Machining using Artificial Intelligence  | Dr. Chakradhar Dupadu           | Nil   | ERG  | ₹2,480,000.00 | 03 June 2024 - 02 December 2025 |
| 99  | Design and Development of a Single Sensing System for Efficient Estimation of Fuel Level, Dual-Axis Inclination and Fuel-Ethanol Composition                                    | Dr. Sreenath V.                 | Nil   | ERG  | ₹2,380,000.00 | 03 June 2024 - 02 December 2025 |
| 100 | High Power Density and High Efficiency Isolated dc-dc Converter for Mild-Hybrid Electric Vehicles   | Dr. Naga Brahmendra Yadav Gorla | Nil   | ERG  | ₹2,300,000.00 | 03 June 2024 - 02 December 2025 |
| 101 | A Multifaceted Approach to Underground and Aboveground Utility Asset Mapping: Integrating GPR, LiDAR, BIM, AR, and VR   | Dr. Senthilkumar V.             | Nil   | ERG  | ₹2,400,000.00 | 03 June 2024 - 02 December 2025 |

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| 102 | Catalytic Co-Pyrolysis Of Plastic And Biomass Using Modified Carbon Catalysts: Hydrogen production from unsegregated waste  | Dr. Krishna Sessa Giri   | Dr. Dinesh Jagadeesan & Dineshkumar | ERG | ₹2,175,000.00 | 03 June 2024 - 02 December 2025 |
| 103 | Regional Scale Data Driven Framework for District Level Crop Yield Predictions  | Dr. Subhasis Mitra       | Nil                                 | ERG | ₹1,200,000.00 | 03 June 2024 - 02 December 2025 |
| 104 | Continually Auto-Upgrading Responsible Deep Computer Vision Machines for Industry 4.0   | Dr. Mrinal Kanti Das     | Nil                                 | ERG | ₹2,500,000.00 | 03 June 2024 - 02 December 2025 |
| 105 | Exploring Serum Protein Interactions with Coinage Metal Nanocluster (MNCs) of specific Geometries – A Computational Approach  | Dr. Padmesh A.           | Nil                                 | ERG | ₹2,206,000.00 | 03 June 2024 - 02 December 2025 |
| 106 | Development of a passive frequency adaptive control for structural system under excitations   | Dr. Sanjukta Chakraborty | Nil                                 | ERG | ₹2,070,000.00 | 03 June 2024 - 02 December 2025 |
| 107 | Design and Development of Liquid Metal Printing System for Three-dimensional Printing of Metal Parts  | Dr. S. Kanmani Subbu     | Dr. Samarjeet Chanda                | ERG | ₹2,400,000.00 | 03 June 2024 - 02 December 2025 |
| 108 | Dynamic-Grating Moire method for Large-Range (> 1 cm) High-Resolution (< 100 nm) position sensing : Application to indigenous development of closed-loop, flexture based XY stage | Dr. Arvind Ajoy          | Nil                                 | ERG | ₹1,725,000.00 | 03 June 2024 - 02 December 2025 |
| 109 | Rational Design of Molecular Sensors for Anions   | Prof. Haridas V.         | Dr. Padmesh A.                      | SGP | ₹2,440,000.00 | 03 June 2024 - 02 December 2025 |
| 110 | Enhancing Geothermal Heat Extraction from Abandoned Oil Field   | Dr. Ankesh Kumar         | Dr. Jogender Singh, SVNIT Surat     | SGP | ₹2,500,000.00 | 03 June 2024 - 02 December 2025 |

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|-----|--|---|-----------------------|--|---------------|---------------------------------------|
| 111 | Spin-orbit Torque (SOT) assisted magnetization switching in Van der Waals (VdW) Ferromagnet above room temperature   | Dr. Soham Manni   | Nil                   | Anusandhan National Research Foundation (ANRF)                                       | ₹4,040,696.00 | 15 June 2024 - 14 June 2027           |
| 112 | Estimation of Thermal Contact Conductance (TCC) of 3D printed turbine blade-disc static assembly   | Dr. Samarjeet Chanda  | Nil                   | ERG  | ₹2,500,000.00 | 02 July 2024 - 01 January 2026        |
| 113 | Development of thin sheet based heat pipes and heat exchangers   | Dr. Vineed Narayanan  | Nil                   | SGP  | ₹2,500,000.00 | 02 July 2024 - 01 January 2026        |
| 114 | On best approximation, orthogonality and differentiability in the space of bounded operators on Banach spaces  | Dr. Jayanarayanan C. R  | Nil                   | Kerala State Council for Science, Technology and Environment (KSCSTE)                | ₹1,667,000.00 | 17 August 2024 - 16 August 2027       |
| 115 | Enhancing simulation of hydrological fluxes by assimilation of root zone soil moisture in integrated hydrological model  | Dr. Sarmistha Singh   | Nil                   | ISRO RESPOND   | ₹2,290,249.00 | 20 August 2024 - 19 August 2027       |
| 116 | Durable and Sustainable Low-Carbon Cements using Local Clays and Biomass Ashes - A Local Approach to Future Cements  | Dr. Athira Gopinath   | Nil                   | IGSTC Program on Women Involvement in Science and Engineering Research (WISER) Award | ₹3,889,860.00 | 30 August 2024 - 29 August 2027       |
| 117 | Exploring the role of opportunistic fungal infection on the immunoregulatory pathways that transform host immunity from protection to pathogenesis in filarial patients: relevance to therapeutic intervention of bancroftian filariasis | Dr. Suprabhat Mukherjee, Kazi Nazrul University, Asansol, West Bengal | Prof. Jagadeesh Bayry | DBT  | ₹0.00         | 25 September 2024 - 24 September 2027 |

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|-----|---|---|-----|--------------------------|---------------|---------------------------------------|
| 118 | Mitigation of surface distress in bearing steel.  | Dr. Kesavan D   | Nil | ISRO RESPOND             | ₹3,394,000.00 | 27 September 2024 - 26 September 2026 |
| 119 | Bioderived hybrid energy materials for green hydrogen production  | Dr. Yugender Goud Kotagiri                                | Nil | Seed Grant Project (SGP) | ₹2,500,000.00 | 01 October 2024 - 31 March 2026       |
| 120 | Tailoring Nickel-Catalyzed Regioselective C3)-alkenylation and C(2) alkylation Reactions of Pyridines with Machine Learning Tools             | Dr. Surya K (under the mentorship of Dr. Rositha Kuniyil) | Nil | WISE PDF                 | ₹3,822,029.00 | 04 October 2024 - 03 October 2027     |
| 121 | Surrogate Safety Measures for Predictive Safety Intervention for Safety on Inconsistent Roads with Heterogeneous Traffic                      | Dr. B. K. Bhavathrathan                                   | Nil | IPTIF TDSP               | ₹1,307,000.00 | 19 October 2024 - 18 October 2025     |
| 122 | Erasure Coding for Distributed Computing  | Dr. Nikhil Krishnan M.                                    | Nil | SGA                      | ₹500,000.00   | 11 November 2024 - 08 November 2026   |
| 123 | Design, Development and Testing of Meta-Sandwich Structures for Impact Applications   | Dr. Nelson Muthu  | Nil | SGP                      | ₹3,400,000.00 | 14 November 2024 - 13 May 2026        |
| 124 | Experimental Investigations on the Interplay between Magnetic Frustration, Charge Density Wave, and Superconductivity in Kagome Lattices      | Dr. Gayathri V (under the mentorship of Dr. Soham Manni)  | Nil | WISE PDF                 | ₹3,824,080.00 | 29 November 2024 - 28 November 2027   |
| 125 | Design and Development of Supramolecular Fluorescent Sensors Array for Detection and Discrimination of Emerging Organic Contaminants in Water | Dr. Shanmugaraju Sankarasekaran                           | Nil | DST Indo-Japan           | ₹1,458,000.00 | 20 December 2024 - 19 December 2026   |
| 126 | Additional Funds under the Faculty Seed Grant for Creation of Capital Assets/ Equipment   | Dr. Kali Prasad   | Nil | Seed Grant Add-On (SGA)  | ₹500,000.00   | 05 January 2025 - 29 December 2027    |

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|-----|---|-------------------------|-------------------------|-------------------------|----------------|------------------------------------|
| 127 | Fine Tuning the Steric and Electronic Properties of Boryl Substituted Bis(phosphinimino) Ligands vs Bis(phosphinimino) Ligands for the Group 14 Chemistry                         | Dr. Yuvaraj K.          | Nil                     | Seed Grant Add-On (SGA) | ₹500,000.00    | 10 January 2025 - 31 January 2026  |
| 128 | Composite 3D Printer for Manufacturing Sandwich Composites  | Dr. Nelson Muthu        | Nil                     | Seed Grant Add-On (SGA) | ₹500,000.00    | 10 January 2025 - 19 December 2026 |
| 129 | Engineering porous silicon membranes for water desalination   | Dr. Revathy Padmanabhan | Nil                     | IPTIF UYARE             | ₹1,000,000.00  | 15 January 2025 - 14 January 2026  |
| 130 | Physics Aware AI/ML Tool for Spatiotemporal Root Zone Soil Moisture Estimation  | Dr. Sarmistha Singh     | Dr. Sahely Bhadra       | IPTIF                   | ₹1,820,000.00  | 05 March 2025 - 04 September 2026  |
| 131 | Identification & Characterization of Thermal Interface Materials (TIMS) for Cryogenic temperature in range of 4 to 100k to reduce thermal contact resistance between metal joints | Dr. Samarjeet Chanda    | Dr. Vineed Narayanan    | ISRO RESPOND            | ₹1,672,100.00  | 13 March 2025 - 12 March 2027      |
| 132 | Heat Pump for heat rejection at elevated temperature  | Dr. Vineed Narayanan    | Nil                     | ISRO RESPOND            | ₹2,338,592.00  | 13 March 2025 - 12 March 2027      |
| 133 | Setting up Electro-Magenetic Interference and Electro-magnetic Susceptibility (EMI/EMS) testing facility at IIT Palakkad  | Dr. Vijay Muralidharan  | Dr. Arvind Ajoy         | IPTIF                   | ₹35,000,000.00 | 18 March 2025 - 17 March 2026      |
| 134 | Engineering porous silicon towards the development of electrochemical immunosensor device for the detection of biomarker for acute brain injury                                   | Dr. Abdul Rasheed P     | Dr. Revathy Padmanabhan | IPTIF UYARE             | ₹600,000.00    | 24 March 2025 - 23 March 2026      |
| 135 | Automatic Visual Inspection System  | Dr. Vivek Chaturvedi    | Nil                     | IPTIF                   | ₹2,500,000.00  | 24 March 2025 - -                  |
| 136 | Motor Drives and Modular Inverters  | Dr. Vijay Muralidharan  | Dr. Anirudh Guha        | IPTIF                   | ₹950,000.00    | 24 March 2025 - -                  |

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|-----|---|----------------------------|---|---|---------------|---------------------------------|
| 137 | Technologies for sustainable Additive Manufacturing and Post-processing – TEAM UP   | Dr. Afzaal Ahmed           | Prof. Dr.-Ing. Henning Zeidler, TU Bergakademie Freiberg, Germany | Scheme for Promotion of Academic and Research Collaboration (SPARC) | ₹3,005,400.00 | 01 April 2025 - 31 March 2027   |
| 138 | Landslide Alarming system- Analysing Factors Contributing to Landslides and Developing an Early Warning System for Landslide Risk Mitigation  | Dr. Divya P. V.            | Nil   | National Council of Educational Research and Training (NCERT)       | ₹20,000.00    | 01 April 2025 - 31 March 2026   |
| 139 | Developing a Cost of Filter for 7 Fluoride Removal from Groundwater in Palakkad District, Kerala  | Dr. Praveena Gangadharan   | Nil   | National Council of Educational Research and Training (NCERT)       | ₹50,000.00    | 01 April 2025 - 31 March 2026   |
| 140 | Frustrated Lewis Pair (FLP) for Catalytic Activation of Carbon Dioxide  | Dr. Debabrata Dhara        | NA  | Seed Grant Add-On (SGA)   | ₹500,000.00   | 11 April 2025 - 05 January 2028 |
| 141 | Manpack Bridges   | Dr. Nelson Muthu           | Nil   | IITG TIDF   | ₹640,000.00   | 21 April 2025 - 20 April 2028   |
| 142 | Development of a Nipah Virus Minigenome System Suitable for Biosafety Level (BSL)-2 Facilities Using the Genome Sequence of Nipah Virus Isolated in India and Investigation of Host Proteins Role in Viral Replication and Transcription Using the Nipah Virus Minigenome | Dr. Prasanna Bhat          | Nil   | ANRF PMECRG   | ₹6,949,440.00 | 02 June 2025 - 01 June 2028     |
| 143 | Waste to Wealth- Low-cost Carbon based Electrocatalysts for Overall Water Splitting   | Dr. Yugender Goud Kotagiri | NA  | Seed Grant Add-On (SGA)   | ₹500,000.00   | 02 June 2025 - 31 March 2026    |
| 144 | Pressure tuning magnetic and electronic properties of quantum materials   | Dr. Ajeesh M. Omanakuttan  | Nil   | Seed Grant Add-On (SGA)   | ₹500,000.00   | 10 June 2025 - 01 December 2027 |

|     |   |                         |  |   |               |                                   |
|-----|---|-------------------------|--|---|---------------|-----------------------------------|
| 145 | Development of a Nipah Virus Minigenome System Suitable for Biosafety Level (BSL)-2 Facilities Using the Genome Sequence of Nipah Virus Isolated in India and Investigation of Host Proteins Role in Viral Replication and Transcription Using the Nipah Virus Minigenome | Dr. Prasanna Bhat       | Nil                                      | Seed Grant Add-On (SGA)                         | ₹500,000.00   | 11 June 2025 - 12 August 2027     |
| 146 | Designing soluble bispecific T-Cell receptors for an adaptable and plug-and-play strategy   | Dr. Prasun Kumar        | Nil                                      | ANRF PMECRG                                     | ₹6,959,760.00 | 17 June 2025 - 16 June 2028       |
| 147 | Limbless Soft-Body Locomotion — A Differential Geometric Approach   | Dr. Avirup Mandal       | Nil                                      | SGP   | ₹2,000,000.00 | 24 June 2025 - 18 June 2025       |
| 148 | Synthesis of N-Heterocyclic Carbene with Inorganic Backbone and their Applications  | Dr. Debabrata Dhara     | Nil                                      | SGP   | ₹2,500,000.00 | 24 June 2025 - 05 January 2028    |
| 149 | Dynamic Light Scattering (DLS) instrument   | Dr. Prasun Kumar        | Nil                                      | MGP   | ₹2,500,000.00 | 24 June 2025 - 23 December 2026   |
| 150 | Design and Development of Bearing Life Test Rig   | Dr. Sagi Rathna Prasad  | Nil                                      | Seed Grant Add-On (SGA)                         | ₹500,000.00   | 30 June 2025 - 08 October 2027    |
| 151 | Design, development and testing of a low frequency vibration isolator for towed SONAR arrays  | Dr. Anoop Akoorath Mana | Dr. Sanjukta Chakraborty<br>Dr. Arun C O | DRDO - NPOL                                     | ₹4,490,028.00 | 04 July 2025 - 03 January 2027    |
| 152 | Research Problems in Operator Theory  | Dr. Srijan Sarkar       | Nil                                      | DST INSPIRE Fellowship                          | ₹650,000.00   | 23 July 2025 - 31 March 2026      |
| 153 | Production of selective laser sintered parts with near zero surface defects   | Dr. Afzaal Ahmed        | NA                                       | ERG with MSME - Rapidproto Labs Private Limited | ₹2,350,000.00 | 05 August 2025 - 04 February 2027 |
| 154 | Development of catalytic granular activated carbon filters for Odor Control Units   | Dr. Dinesh Jagadeesan   | NA                                       | ERG with MSME - Suracsh Filters Pvt Ltd         | ₹2,375,000.00 | 05 August 2025 - 04 February 2027 |

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| 155 | Development of Low-cost Customizable Super-Hydrophobic Material for Removal of Contaminated Oil from Water                            | Dr. Mintu Porel                 | NA   | ERG with MSME - Aromatic Ingredients Private Limited      | ₹2,196,000.00 | 05 August 2025 - 04 February 2027 |
| 156 | Development of Wireless IoT Torque & Strain Measurement Sensor for Rotating Machinery Applications                                    | Dr Sagi Rathna Prasad           | Dr. Shaikshavali Chitraganti & Prof. Mayank Tiwari | ERG with MSME - Casper Instruments                        | ₹1,800,000.00 | 05 August 2025 - 04 February 2027 |
| 157 | Developing New Adsorbents for Selective Extraction of Mn <sup>2+</sup> Ion and REEs from Ferrous Solutions                            | Dr. Shanmugaraju Sankarasekaran | NA   | ERG with MSME - Cochin Minerals and Rutile Limited (CMRL) | ₹2,500,000.00 | 05 August 2025 - 04 February 2027 |
| 158 | Development of Material and Technology Solution for Sustainable High Performance Flooring System FMGSMARTGRID                         | Dr. Veena Venudharan            | NA   | ERG with MSME - Floormart Global                          | ₹2,088,000.00 | 05 August 2025 - 04 February 2027 |
| 159 | Standardization of Custom Design and 3D Printing of PEEK Cranial Implant  | Dr. S Kanmani Subbu             | Dr. Chakradhar Dupadu & Dr. Nelson Muthu           | ERG with MSME - JAYON IMPLANTS Pvt. Ltd.                  | ₹2,425,000.00 | 05 August 2025 - 04 February 2027 |
| 160 | Uncovering Cellular Mediators of vRNP Trafficking to Virus Assembly Sites and the Packaging of vRNPs into Budding Influenza A Virions | Dr. Prasanna Bhat               | Nil  | SGP   | ₹2,500,000.00 | 05 August 2025 - 04 February 2027 |
| 161 | Discovering novel phases in quantum materials under external pressure   | Dr. Ajeesh M Omanakuttan        | Nil  | SGP   | ₹2,500,000.00 | 05 August 2025 - 04 February 2027 |
| 162 | Wearable/Portable Biomimetic Nanosensors for On-site Detection of Organophosphate Nerve Agents and Illicit Drugs                      | Dr. Yugender Goud Kotagiri      | Nil  | Additional FSG  | ₹700,000.00   | 05 August 2025 - 04 August 2027   |

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| 163 | Purchase of a small Universal Testing Machine (UTM)  | Dr. Soumya Mukherjee                  | NA                              | Seed Grant Add-On (SGA)                       | ₹500,000.00   | 07 August 2025 - 21 August 2027   |
| 164 | Characterization and Beneficiation of Marginally Reactive Fly Ash  | Dr. Nedunuri Sai Surya Sree Aparna    | Dr. Madhu Karthik               | ERG   | ₹1,003,200.00 | 08 August 2025 - 07 February 2027 |
| 165 | Probing the Limits of Designability in Novel All-helix Protein Topologies  | Dr. Prasun Kumar                      | NA                              | Seed Grant Add-On (SGA)                       | ₹500,000.00   | 08 August 2025 - 27 October 2027  |
| 166 | Precipitation Induced Flood Forecast System For The Western Ghats on Sub-Seasonal Scale  | Dr. Sarmistha Singh                   | Nil                             | CSIR  | ₹1,529,520.00 | 11 August 2025 - 10 August 2028   |
| 167 | Design and Development of a LiDAR-Compatible Drone with DGPS, NavIC Integration, and Software Stack for LiDAR Processing         | Dr. Shaikshavali Chitraganti          | NA                              | ERG with MSME - Exodyne Private Limited       | ₹2,300,000.00 | 14 August 2025 - 13 February 2027 |
| 168 | Water Resistance Enhancement and Antimicrobial Coating Integration in Rubber Wood Particle Boards                                | Prof. Haridas V                       | Dr. Sushabhan Sadhukhan         | ERG with MSME - Chemraw Tech (OPC)            | ₹2,450,000.00 | 18 August 2025 - 17 February 2027 |
| 169 | Design and Development of Modular Hybrid Underwater Vehicle (Modular-HUV) prototype for lentic, riverine, coastal and deep ocean | Dr. Jagadeesh Kadiyam, IIT Mandi (PI) | Prof. Santhakumar Mohan (Co-PI) | Deep Ocean Mission Ministry of Earth Sciences | ₹1,367,920.00 | 21 August 2025 - 20 August 2027   |
| 170 | Micromechanics of materials using digital image correlation and electron back-scattered diffraction                              | Dr. Chaitanya Paramatmuni             | NA                              | Seed Grant Add-On (SGA)                       | ₹500,000.00   | 21 August 2025 - 04 December 2027 |
| 171 | Adversarial Machine Learning Analysis Framework for Medical Imaging  | Dr. Vivek Chaturvedi                  | Nil                             | C3iHub, IIT Kanpur- iHub NTIHAC Foundation    | ₹922,400.00   | 22 August 2025 - 31 March 2027    |

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| 172 | Sustainable Low-carbon Concrete Composites using Waste-derived Bio-cements -Towards Industrial Symbiosis and a Circular Economy (BIO-CRETE) | Dr.Athira Gopinath                 | Indian Industry PI-Mr. Ved Ratna Sinha,Sael Ltd., New Delhi<br>French Academic PI-Dr. Walid Maherzi,IMT Nord Europe<br>French Industry PI-Dr. Ilyas Ennahal,Ixsane Innovation, Villeneuved'Asc q | CEFIPRA                          | ₹4,230,142.00 | 25 September 2025 - 24 September 2028 |
| 173 | Field Test Sections of Asphalt-Rubber Pavement Systems: Design, Construction, and Performance Monitoring                                    | Dr. C V Veena Venudharan           | Nil  | NHAI via IIT Tirupati            | ₹5,912,896.00 | 30 September 2025 - 29 September 2028 |
| 174 | Study of inertia distribution and it's impact on ROCOF relay using regional grid model of India   | Dr. Manas Kumar Jena               | Nil  | Toshiba Software India Pvt. Ltd. | ₹1,575,000.00 | 14 October 2025 - 31 March 2027       |
| 175 | Design & Mechanical Testing of Meta-Sandwich Structures with FSS PCB inserts  | Dr. Nelson Muthu                   | Nil  | ADE-DRDO (CARS)                  | ₹986,155.00   | 17 October 2025 - 13 October 2026     |
| 176 | Investigating the functional readouts of Cancer-Associated Synonymous Mutations   | Dr. Sivakumar Vadivel Gnanasundram | Nil  | Seed Grant Add-On (SGA)          | ₹500,000.00   | 13 November 2025 - 28 November 2027   |
| 177 | Assessment of the CO2 sequestration potential of industrial wastes via aqueous carbonation  | Dr. Nedunuri Sai Surya Sree Aparna | Nil  | Seed Grant Add-On (SGA)          | ₹500,000.00   | 13 November 2025 - 07 November 2027   |

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| 178 | Development of a framework for distributed machine learning robust to data contamination and omissions, developing algorithms and lower bounds, and experimental validation on real data | Dr. Sahasranand K R                | Nil | Seed Grant Add-On (SGA)                          | ₹500,000.00   | 17 November 2025 - 08 October 2027  |
| 179 | Deciphering the Molecular and Functional Readouts of Cancer-Associated Synonymous Mutations  | Dr. Sivakumar Vadivel Gnanasundram | Nil | SGP  | ₹2,500,000.00 | 20 November 2025 - 19 November 2027 |
| 180 | Fatigue Life Analysis of Structures & Rotating Components  | Dr. Sagi Rathna Prasad             | Nil | SGP  | ₹3,100,000.00 | 20 November 2025 - 19 November 2027 |
| 181 | Rig for Drive train Component Development and Characterization   | Prof. Mayank Tiwari                | Nil | SGP  | ₹3,300,000.00 | 20 November 2025 - 19 November 2027 |
| 182 | Development of pumpable low-CO <sub>2</sub> binder-based economical ultra-high-performance concrete (UHPC): A comprehensive study  | Dr. Nedunuri Sai Surya Sree Aparna | Nil | SGP  | ₹3,206,500.00 | 20 November 2025 - 19 November 2027 |
| 183 | Development and Evaluation of a Prepacked One-Part Mud-Lime Plaster for Sustainable Construction   | Dr. Athira Gopinath                | Nil | SGP  | ₹2,500,000.00 | 20 November 2025 - 19 November 2027 |
| 184 | Design and Development of Affordable Artificial Intelligence-Enabled Infant Vital Sign Sensing System for Remote Infant Health and Activity Monitoring                                   | Dr. M Sabarimalai Manikandan       | Nil | ERG with MSME                                    | ₹2,266,000.00 | 20 November 2025 - 19 May 2027      |
| 185 | Fabrication of Strip Based Point-of-Care Biosensor device for Salivary Glucose Monitoring  | Dr. Abdul Rasheed P                | Nil | National Research Development Corporation(NRD C) | ₹600,000.00   | 02 December 2025 - 01 Decemebr 2026 |
| 186 | Multi-mode Resonator Based Electrically Small antenna for integration with wireless devices  | Dr. Shrikanth Reddy                | Nil | SERB   | ₹502,339.00   | 14 January 2026 - 15 March 2026     |

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|-----|--|---|---|--|---------------|-------------------------------------|
| 187 | Aptamer-Functionalized MXene Nanoplatfoms for B-cell Targeting towards the treatment of Systemic lupus erythematosus   | Dr. Meera Menon (mentored by Prof. Jagadeesh Bayry) | Nil   | ANRF National Post Doctoral Fellowship (N-PDF) | ₹2,712,000.00 | 19 January 2026 - 18 January 2028   |
| 188 | Experimental and computational investigation of mechanics and pattern formation in soft polymers and biological tissues  | Dr. Soumya Mukherjee                                | Nil   | Seed Grant Project (SGP)                       | ₹2,500,000.00 | 27 January 2026 - 26 January 2029   |
| 189 | Probing the Limits of Designability in Novel All-helix Protein Topologies  | Dr. Prasun Kumar                                    | Nil   | Seed Grant Project (SGP)                       | ₹2,500,000.00 | 27 January 2026 - 26 January 2029   |
| 190 | Proposal for the setting of an archive at IIT Palakkad   | Dr. Biswajit Sarmah                                 | Nil   | Seed Grant Project (SGP)                       | ₹2,279,000.00 | 27 January 2026 - 26 January 2029   |
| 191 | Development of a sub-genomic replicon of Chandipura virus and utilizing it to study novel host-virus interactions crucial for viral transcription and replication. | Dr. Prasanna Bhat                                   | Nil   | Indian Council of Medical Research (ICMR)      | ₹3,340,098.00 | 03 February 2026 - 02 February 2029 |
| 192 | AI-Infant Health & Wellness Sense: Design and Development of Affordable AI-Enabled Contactless Infant Health and Wellness Monitoring System                        | Dr. M Sabarimalai Manikandan                        | Shri. Rama Rao Kottappally - CEOTsilicon Ms.SIvaranjini P N- PhD student-IITPKD | IITI DRISHTI CPS Foundation                    | ₹1,500,000.00 | 03 February 2026 - 02 February 2027 |
| 193 | Precision measurements in heavy flavour decays at Belle II   | Dr. Resmi P K                                       | Nil   | Seed Grant Add-On (SGA)                        | ₹500,000.00   | 12 February 2026 - 02 November 2027 |
| 194 | Design and development of a reliable power swing detection scheme for inverter based resource integrated transmission system                                       | Dr. Manas Kumar Jena                                | Nil   | ANRF ARG                                       | ₹9,701,868.00 | 16 March 2026 - 15 March 2029       |

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| 195 | Sulfonamide-based sequence-defined polymer with modular architecture and post-synthetic modification: Design, synthesis and its biological and material applications via experimental and in-silico approaches | Dr. Mintu Porrel                | Dr. Prasun Kumar, Assistant Professor, Biological Sciences and Engineering | ANRF ARG | ₹7,927,440.00 | 16 March 2026 - 15 March 2029 |
| 196 | Design, development, and analysis of ring and slotted ring mass- membrane acoustic metamaterials for low frequency sound attenuation   | Dr. Anoop Akkoorath Mana        | Nil  | ANRF ARG | ₹9,367,440.00 | 17 March 2026 - 16 March 2029 |
| 197 | Residual stresses in biomimetic polymers: non-destructive measurements and implications for wrinkling, buckling, and bulging behaviour   | Dr. Soumya Mukherjee            | Prof. Parag Ravindran, IIT Madras  | ANRF ARG | ₹3,547,164.00 | 18 March 2026 - 17 March 2029 |
| 198 | Compound Flood Modelling Framework for Real-Time Forecasting and Long-Term Assessment under Climate and Urbanization Scenarios in Kochi City   | Dr. B Sridharan                 | Nil  | ANRF IRG | ₹5,849,222.00 | 19 March 2026 - 18 March 2029 |
| 199 | Partially-cracked ammonia combustor with an integrated catalytic decomposition reactor   | Dr. Krishna Sessa Giri          | Dr. Dinesh Jagadeesan  | ANRF ARG | ₹7,357,440.00 | 21 March 2026 - 20 March 2029 |
| 200 | Translation of a Patented Healthcare Diagnostic Technology for Real-Time Monitoring of Heparin Anticoagulant Therapy   | Dr. Shanmugaraju Sankarasekaran | Nil  | IPTIF    | ₹1,000,000.00 | 23 March 2026 - 22 March 2027 |
| 201 | Sensor integrated AI Systems for Optimal Monitoring and Control of Energy Assets   | Dr. Krishna Sessa Giri          | Dr. Advait Sankar (IIT Madras), Dr. Amrutha Veluppal (Amrita Vishwa        | IPTIF    | ₹1,000,000.00 | 23 March 2026 - 22 March 2027 |

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|-----|--|------------------------|--|-------------------------|---------------|-------------------------------|
|     |  |                        | Vidhyapeetham Cbe), Dr. Harikrishna R B & Mr. Ajith U K Nair (IIT Palakkad)  |                         |               |                               |
| 202 | Procurement of computing workstation and accessories   | Dr. G Shrikanth Reddy  | Nil  | Seed Grant Add-On (SGA) | ₹500,000.00   | 23 March 2026 - 03 March 2028 |
| 203 | SAEDGE-BioChem: AI-Powered Vision-Based Fully Automated Biochemistry Analyzer  | Dr. Vivek Chaturvedi   | Nil  | IPTIF                   | ₹1,000,000.00 | 24 March 2026 - 23 March 2027 |
| 204 | Asset Radar Intelligent Digital Twin Platform for Safer, Faster and Smarter Industrial Operations                      | Dr. Sagi Rathna Prasad | Nil  | IPTIF                   | ₹1,000,000.00 | 25 March 2026 - 24 March 2027 |
| 205 | Next-Generation Indigenous Metal 3D Printing System  | Dr. Vijay Muralidharan | Nil  | IPTIF                   | ₹1,000,000.00 | 26 March 2026 - 25 March 2027 |
| 206 | Nanocatalyst-based early detection device for safe operation of battery energy storage systems                         | Dr. Dinesh Jagadeesan  | Dr. Sreenath Vijayakumar<br>Authorised SPOC/ Industry name : Dr Nitin S. Kale/<br>Director, Nanosniff Technologies Private Limited | IPTIF                   | ₹2,500,000.00 | 26 March 2026 - 25 March 2027 |
| 207 | Creep Behaviour of Helical and Grouted Soil Nails in Lateritic Soils Incorporating Rainfall-Induced Moisture Variation | Dr. Sudheesh T. K.     | Dr. Rakesh J. Pillai   | ANRF ARG                | ₹5,602,540.00 | 26 March 2026 - 25 March 2027 |
| 208 | Modeling and Investigation of Fluid-Particle Flow through a vertical pipe  | Prof. Sovan Lal Das    | Nil  | ANRF ARG                | ₹4,638,720.00 | 26 March 2026 - 25 March 2029 |

## CONSULTANCY PROJECTS DURING FY 2025-26: UNDERWAY

| Sl. No. | Title of the project  | Principal Investigator        | Co Investigator(s), if any | Sponsoring Agency                               | Budget Sanctioned (INR) | Duration                           |
|---------|---|-------------------------------|----------------------------|---|-------------------------|------------------------------------|
| 1       | Crack Detection using Automated Magnetic Particle Inspection through Artificial Intelligence                          | Dr. Mrinal Kanti Das          | Nil                        | Sansera Engineering Ltd.                        | ₹3,892,861.00           | 05 July 2022 - 03 September 2025   |
| 2       | Mathematical Modeling and Simulation of Autonomous Underwater Vehicle   | Prof. Santhakumar Mohan       | Nil                        | Bharat Electronics LTD.                         | ₹2,832,000.00           | 27 December 2023 - 30 June 2025    |
| 3       | Few-shot learning for Crop Classification from Satellite Imagery  | Dr. Narayanan (CK) C Krishnan | NA                         | Cropin Technology Solutions Private Limited     | ₹849,600.00             | 01 July 2024 - 30 June 2025        |
| 4       | Removal of illegal dyes from Indian chilli via developing a novel low-cost adsorbent material                         | Dr. Mintu Porel               | Nil                        | Plant Lipids Private Limited                    | ₹2,100,000.00           | 01 November 2024 - 30 April 2026   |
| 5       | Ultrasonic based Rotational Speed Sensing: Development of World's First of it's Kind Commercial Ultrasonic Tachometer | Dr. Sreenath Vijayakumar      | Mr. Byju, C-DAC Tvm        | CDAC TVM  | ₹480,000.00             | 01 November 2024 - 31 October 2025 |
| 6       | Compiler Optimization and LLVM  | Dr. Unnikrishnan C            | Nil                        | Multicoreware Inc., CA                          | ₹180,000.00             | 16 December 2024 - 16 June 2025    |
| 7       | Development of Rotor Balancing and Condition Monitoring Software  | Dr. Sagi Rathna Prasad        | Nil                        | Enmaz Engineering Services Pvt. Ltd., Bengaluru | ₹600,000.00             | 01 January 2025 - 01 June 2025     |

|    |   |                          |                        |  |             |                                 |
|----|---|--------------------------|------------------------|--|-------------|---------------------------------|
| 8  | Flexural toughness testing and certification of two grades of concrete with Steel fibers manufactured by Precision Drawell  | Dr. C V Veena Venudharan | Dr. Sunitha K Nayar    | Precision Drawell Pvt. Ltd.                              | ₹438,960.00 | 25 January 2025 - 25 May 2025   |
| 9  | Design Review/Guidance - Development of Controllable Pitch Propeller (CPP) Actuation Mechanism  | Dr. Mayank Tiwari        | Dr. Sagi Rathna Prasad | M/s. Triveni Engineering & Industries Limited, Mysuru    | ₹531,000.00 | 15 February 2025 - 14 July 2025 |
| 10 | Ground improvement works using vibro stone columns (top feed method) for 22MLD desalination plant at Mundra, Gujarat  | Dr. Sudheesh T K         | Dr. Rakesh J. Pillai   | Keller Ground Engineering India Private Limited,         | ₹236,000.00 | 19 March 2025 - 18 August 2025  |
| 11 | Testing of ACM samples as per IOCL specification  | Dr. Nelson Muthu         | Nil                    | M/s. IOCL, Kochi   | ₹587,640.00 | 20 March 2025 - 20 July 2025    |
| 12 | Characterization of CRMB 60   | Dr. Veena Venudharan     | NA                     | M/s. Shivalaya Construction Company Pvt. Ltd., New Delhi | ₹35,400.00  | 24 March 2025 - 08 April 2025   |
| 13 | Testing of Materials and Design of Mixes for the Construction of Mixed use residential cum commercial building including Allied works of KHSB Marine eco-city plot A phase 1 at marine drive Ernakulam Kerala | Dr. Athira Gopinath      | NA                     | Dee Vee Projects Limited                                 | ₹417,720.00 | 31 March 2025 - 30 July 2025    |
| 14 | Design vetting of a RCC building at IOCL Cochin Terminal, Irumpanam, Kochi  | Dr. Gokulnath C          | Dr. Anil Kumar M.V.    | Indian Oil Corporation Limited                           | ₹59,000.00  | 17 April 2025 - 01 May 2025     |
| 15 | Testing of Acoustic properties of SINICON SAND  | Dr. Anoop Aloorath Mana  | Nil                    | Sinicon Controls Private Limited                         | ₹15,482.00  | 22 April 2025 - 30 April 2025   |
| 16 | Additive Manufacturing of Haynes 282  | Dr. Kesavan D            | Nil                    | GE Renewable   | ₹45,279.00  | 09 May 2025 - 15                |

|    |   |                      |                    |  |               |                                  |
|----|---|----------------------|--------------------|--|---------------|----------------------------------|
|    | Tubes   |                      |                    | Energy Technologies Private Limited                                  |               | December 2025                    |
| 17 | Understanding the prevalence of lactose intolerance in south India and developing a nutraceutical formulation against lactose intolerance   | Dr. Abdul Rasheed P  | Nil                | Nimbuus Rehab Hospital of Research and Academic Institutes Pvt. Ltd. | ₹283,200.00   | 01 June 2025 - 31 May 2026       |
| 18 | Six laning of Thalapadi to Chengala Section of NH17 (New NH 66) from Chainage 17+200 to 56+200 (total length 39 Kms), in the state of Kerala on Hybrid Annuity Mode under Bharatmala Pariyojana | Dr. Arun C. O        | Dr. Anil Kumar M V | The Uralungal Labour Contract Co-Operative Society Ltd.              | ₹1,132,800.00 | 04 June 2025 - 03 September 2025 |
| 19 | Laying & Construction of 8" & 4" NB U/G Steel Pipeline Network & Associated Works at IOAGPL Thrissur & Palakkad GA  | Dr. Rakesh J. Pillai | Dr. Sudheesh T K   | Indian oil Adani Gas Pvt Ltd   | ₹82,600.00    | 20 June 2025 - 30 June 2025      |
| 20 | RCF Testing and Analysis of Miniature Sample  | Dr. Kesavan D        | NA                 | Bhabha Atomic Research Centre (BARC)                                 | ₹431,880.00   | 01 July 2025 - 31 December 2025  |
| 21 | Evaluation of Existing and Proposed Pipe Discharge Water Delivery to Summary Storage Tanks  | Dr. B Sridharan      | Nil                | Centre of Urbanization, Buildings and Environment (CUBE), IIT Madras | ₹160,000.00   | 26 July 2025 - 18 August 2025    |
| 22 | Checking and Vetting of Design of Flooring of 4 Projects submitted by Indus floors India Pvt Ltd  | Dr. Athira Gopinath  | Nil                | Indus Floors India Pvt. Ltd.   | ₹495,600.00   | 30 July 2025 - 15 August 2025    |

|    |   |                               |                       |   |               |                                       |
|----|---|-------------------------------|-----------------------|---|---------------|---------------------------------------|
| 23 | Vetting of Structural design and drawings for Cheruvannur Flyover in Ramanattukara, Kozhikode.                                      | Dr.Anil Kumar M V             | Dr.Madhu Karthik M    | The Uralungal Labour Contract Co-operative Society Lt | ₹453,120.00   | 01 August 2025 - 14 September 2025    |
| 24 | Vibration Suppression of Semiconductor Wafer Transfer Robot   | Prof. Santhakumar Mohan       | Parthiban Kulothungan | Kawasaki Robotics India Private Limited               | ₹540,000.00   | 01 August 2025 - 29 December 2025     |
| 25 | Multi Label Super Pixel based Segmentation and Threat Object De-Occlusion in X- ray Images  | Dr. Narayanan (CK) C Krishnan | Nil                   | M/s. Vehant Technologies Private Limited              | ₹483,800.00   | 01 August 2025 - 30 June 2026         |
| 26 | Pilot Project: Study on potential traffic at Chavadimukku,Pongummoodu, and Ulloor Intersections on completion of Sreekaryam Flyover | Dr.B K Bhavathrathan          | NA                    | Kerala Highway Research Institute Thiruvananthapuram  | ₹1,209,718.00 | 04 August 2025 - 03 August 2026       |
| 27 | Geotechnical Advisory Services  | Dr. Sudheesh T. K.            | Dr. Rakesh J. Pillai  | Kerala Highway Research Institute Thiruvananthapuram  | ₹0.00         | 12 August 2025 - 11 August 2026       |
| 28 | Crack Detection using Automated Magnetic Particle Inspection through Artificial Intelligence (Phase 3)                              | Dr. Mrinal Kanti Das          | Nil                   | Sansera Engineering Ltd.                              | ₹1,432,800.00 | 04 September 2025 - 03 September 2026 |
| 29 | Geotechnical Investigation, Marine Drive, Ernakulam   | Dr. Divya P. V.               | Nil                   | Matter Material Testing & Research Laboratory (P)     | ₹212,400.00   | 10 September 2025 - 25 October 2025   |
| 30 | Training on DH Transformation including Modified DH Transformation  | Prof. Santhakumar Mohan       | Nil                   | QS Metrology Pvt. Ltd., Gurugram                      | ₹21,240.00    | 01 October 2025 - 05 October 2025     |

|    |  |                            |  |   |                 |                                     |
|----|--|----------------------------|--|---|-----------------|-------------------------------------|
| 31 | India Upstream Platform to Advance the Reinvented Toilet Technologies.   | Dr. Praveena Gangadharan   | Dr. Devasnena                            | Gates Foundation  | ₹136,147,888.00 | 01 October 2025 - 31 March 2027     |
| 32 | Root cause analysis and solution approach for inconsistent engine vibrations   | Dr. A.K. Darpe (IIT Delhi) | Dr.Mayank Tiwari<br>Dr.Sagi Ratna Prasad | Gas Turbine Research Establishment-D RDO                | ₹6,666,754.00   | 17 October 2025 - 16 October 2028   |
| 33 | Vetting of the Approach Road for Cheruvannur Flyover.  | Dr. C V Veena Venudharan   | Nil                                      | The Uralungal Labour Contract Co-Operative Society Ltd. | ₹295,000.00     | 29 October 2025 - 12 December 2025  |
| 34 | Bangalore - Jolarpettai section: Providing RDSO type height guages for 9 RUBS in ADEN/SBC Sub division , maintenance period is 6 month | Dr. Gokulnath C            | Nil                                      | Punith S C  | ₹29,500.00      | 15 November 2025 - 29 November 2025 |
| 35 | R&D Consultancy on AI and Semiconductor Products   | Dr. Vivek Chaturvedi       | Nil                                      | Zepto Logic Technologies Private Limited                | ₹270,000.00     | 15 November 2025 - 15 May 2026      |
| 36 | Visual Assessment of Runway Condition and Embankment Stability — Calicut Airport   | Dr. Veena Venudharan       | Dr. Rakesh J. Pillai<br>Dr. Sudheesh T K | M/s Calicut International Airport                       | ₹300,000.00     | 02 December 2025 - 02 January 2026  |
| 37 | Supervision of Blasting test at Srilakshmi Quarries-kanichar   | Dr. Ankesh Kumar           | Nil                                      | M/s Sreelakshmi Stone Crusher, Kannur                   | ₹106,200.00     | 15 December 2025 - 19 December 2025 |
| 38 | Structural vetting of Aryas Lotus - 2B+G+18 Story Residential cum Commercial Building  | Dr. Arun C. O.             | Dr. Gokulnath C                          | M/s. Aryas Nirman Private Limited                       | ₹236,000.00     | 23 December 2025 - 06 February 2026 |
| 39 | Post-Construction Review of Foundation Design and Drawings for One (01) No. 30-m-High Mast Tower at BPCL,                              | Dr. Ankesh Kumar           | Dr. Gokulnath C                          | M/s Trans Enterprises Pvt. Ltd.                         | ₹59,000.00      | 23 December 2025 - 01 January 2026  |

|    |   |                          |                      |   |               |                                     |
|----|---|--------------------------|----------------------|---|---------------|-------------------------------------|
|    | Palakkad  |                          |                      |   |               |                                     |
| 40 | Auditing of design of soil retaining structures high embankment and ground improvement stretches in NH66 project in Kerala under execution by NHAI                              | Dr. Sudheesh T. K.       | Dr. Rakesh J. Pillai | National Highways Authority of India (NHAI)     | ₹5,900,000.00 | 30 December 2025 - 30 April 2026    |
| 41 | Field Supervision of Site Investigation of Soil Retaining Structures, High Embankment, and Ground Improvement Stretches in the NH-66 Project in Kerala under execution by NHAI” | Dr. Sudheesh T. K.       | Dr. Rakesh J. Pillai | National Highways Authority of India (NHAI)     | ₹5,940,000.00 | 30 December 2025 - 30 April 2026    |
| 42 | vetting of compound wall structuring  | Dr. Gokulnath C          | Nil                  | CPWD Trichy                                     | ₹59,000.00    | 31 December 2025 - 15 January 2026  |
| 43 | Consultancy services for Evaluation and Design Review of Tunnel between Km 6.511 and Km 6.603 on Sela-Chambrela-BJ Gompa Road, Project Vartak, Arunachal Pradesh                | Dr. Ankesh Kumar         | Nil                  | Border Road Organization                        | ₹1,840,800.00 | 12 January 2026 - 11 March 2026     |
| 44 | Hydrological and Hydrodynamical modelling of Pudussery central and Kannambra  | Dr. Athira P             | Dr. B Sridharan      | Infinite Civil Solutions Pvt Ltd                | ₹800,000.00   | 12 January 2026 - 31 January 2026   |
| 45 | Performance Assessment of Sewage Treatment Plant at Nandavanam Hospital, Palakkad District and providing recommendations for improving Liquid/ Sludge Management                | Dr. Praveena Gangadharan | Dr. Devasena         | Nandavanam Ayurvedic Hospital                   | ₹59,472.00    | 03 February 2026 - 27 February 2026 |
| 46 | Ground Improvement Work for the Construction of a Bitumen Tank of 25,000 KL Capacity at IOCL, Mathura   | Dr. Sudheesh T. K.       | Dr. Rakesh J. Pillai | Keller Ground Engineering India Private Limited | ₹236,000.00   | 05 February 2026 - 05 March 2026    |
| 47 | Structural Audit of Re-Carpeted Runway  | Dr. C. V. Veena          | NIL                  | Cochin  | ₹3,240,000.00 | 01 March 2026 - 01                  |

|    |   |                    |   |                                     |             |                               |
|----|---|--------------------|---|-------------------------------------|-------------|-------------------------------|
|    | at Calicut International Airport  | Venudharan         |   | International Airport               |             | July 2026                     |
| 48 | Investigation work : to study the cause for settlement and allied problems of main block of Kaduthuruthy polytech College and remedial measures | Dr. Sudheesh T. K. | Dr. Rakesh J. Pillai<br>Dr. Madhu Karthik M | Public Works Dept                   | ₹203,660.00 | 12 March 2026 - 12 June 2026  |
| 49 | Site visit and technical report in connection with a Gabion wall failure at Olive Kalista, Kakkanad.  | Dr. Sudheesh T. K. | Dr. Rakesh J. Pillai                        | Olive Buliders & Developers Pvt Ltd | ₹236,000.00 | 19 March 2026 - 21 April 2026 |