File No	Project File No	Name of the Project	Funding Agency	Project Amount	Duration	Principal Investigator	Department
FY-2026-2027							
511	NITC/DEAN(R&C)/2026-27/37/ISRO-RESPOND /MED/BTK-511	ISRO RESPOND Project entitled "Investigation of the Influence of Isogrid/Waffle Rib Geometry on Pressurant Gas Requirement and Thermal Behaviour in Cryogenic Propellant Tanks"	ISRO - RESPOND	**16,83,200**	18 Months	Dr. Biju T Kuzhiveli, Professor, Mechanical Engineering	MED
510	NITC/DEAN(R&C)/2026-27/36/MoSPI/CSED/CC-510	MoSPI Research Project entitled "Identification of Avenues for Harnessing Administrative Data /Triangulation of Various New Data Sources viz. Ecommerce Sales Data, etc. with Conventional Data Sources for developing price indices"	MoSPI	**2,052,000**	1 Year	Dr. Chandramani Chaudhary, Asst. Professor, CSED (PI)	CSED
509	NITC/DEAN(R&C)/2026-27/35/LRDE-DRDO/ECED/SCB-509	LRDE-DRDO Research Project entitled "Exploring Phase Gradient Metasurface for Anti Detection: A Study on Radar Signal Distortion"	LRDE,DRDO - CARS	**988,240**	15 monts	Dr.Saikat Chandra Bakshi, Asst. Professor, ECED (PI)	ECED
508	NITC/DEAN(R&C)/2026-27/34/GFI/BSED/GS-508	Research Project entitled "Plant-derived scaffolds with improved textural and structural mimicry for cellular agriculture"	GFI- Alternative Protein Solutions Pvt Ltd.	**354,000**	1 Year	Dr. Gopal Sankar, Assistant Professor, BSED (PI)	BSED
507	NITC/DEAN(R&C)/2026-27/33/UoT/EED/VM-507	Texas Global Faculty Research Seed Grant, University of Texas entitled "Design of an Open-Source Design Suppport Tool for Virtual Power Plant Design and Planning"	Texas Global Faculty Research Seed Grant, University of Texas	**946,876**	13 Months	Dr. Vivek Mohan, Assistant Professor, EED (PI); Dr. Nimal Madhu, Assistant Professor, EED (Co-PI)	EED

505	NITC/DEAN(R&C)/2026-27/31/ICSSR/DMS/VS-505	ICSSR Doctoral Fellowship	ICSSR Doctoral Fellowship	**1,41,397**	06 Months & 16 Days	Veena Suresh PhD 2025 Graduate [P220035MS] under the mentorship of Dr. Sreejith S S, Asst Professor, DMS	DMS
504	NITC/DEAN(R&C)/2026-27/30/MoM/CED/BS-504	Ministry of Mines Research Project entitled "Bioreactor –Based Nickel Recovery From Laterites For Sustainable Battery Technologies"	MoM (Industrial Partner- BALIEF Corporation)	**49,85,574**	2 Years	Dr. Bhaskar S, Assistant Professor, CED (PI), Dr. Resmi S R, Assistant Professor, CED (Co-PI) & Dr. Manoj A, Assistant Professor, DAP (Co-PI)	CED
503	NITC/DEAN(R&C)/2026-27/29/ANRF-PMECRG/MAT/PD-503	ANRF- PMECRG Research Project entitled "Computations in equivariant cohomology and topological data analysis"	ANRF - PMECRG	**2,004,480**	3 Years	Dr. Pinka Dey, Assistant Professor, MAT(PI)	MAT
502	NITC/DEAN(R&C)/2026-27/28/DBT/CHED/PR-502	DBT Research Project entitled "Development of rotating packed bed reactor for carbon capture using a novel enzyme based solvent"	DBT	**7,218,840**	2 Years	Dr. Panneerselvam Ranganathan, Assoc. Professor, CHED (PI), Dr. Yogesh Kumar, Assistant Professor, CHED (Co-PI)	CHED
501	NITC/DEAN(R&C)/2026-27/27/MeiTY-CDAC/EED/SND-501	State of the Art Indigenous Development of Battery Systems and Telematics for Next Generation Electric Vehicles	MeiTY-CDAC	**70,25,000**	3 Years	Dr. S N Deepa, Associate Professor, EED (PI)	EED
500	NITC/DEAN(R&C)/2026-27/26/ANRF-PMECRG/CSED/AJ-500	ANRF- PMECRG Research Project entitled "Algorithms and Kernels for Scattered Vertex Deletion"	ANRF-PMECRG	**2,433,249**	3 Years	Dr. Ashwin Jacob, Assistant Professor, CSED (PI)	CSED

499	NITC/DEAN(R&C)/2026-27/25/NPOL-DRDO/EED/RR-499	NPOL-DRDO Project entitled "Physics-Informed Neural Networks (PINNs)-Based Study for Estimation of Target Motion Parameters"	NPOL-DRDO	**4,929,379**	24 Months	Dr. Rahul Radhakrishnan, Asst. Professor, EED (PI), Dr. Nimal Madhu, Asst. Professor, EED (Co-PI), Dr. Sudhish N. George, Assoc. Professor, ECED (Co-PI)	EED
498	NITC/DEAN(R&C)/2026-27/24/DST/WISE/CHY/APG-498	DST (WISE) Research Project entitled "Human Toll-Like Receptor 2-Selective Agonists Design, Synthesis, and Identification of Heterocyclic Small Molecules as Potential Vaccine Adjuvants".	DST (WISE)	**2,048,400**	3 Years	Mrs. Amrutha P G, WISE PhD Fellow, Department of Chemistry under mentorship of Dr. Janardhan Banothu, Associate Professor, Department of Chemistry	CHY
497	NITC/DEAN(R&C)/2026-27/23/ANRF-PMECRG/CSED/VK-497	ANRF- PMECRG Research Project entitled "VISHWA: Verifiable and Interpretable Speech for High-trust Workplace Applications"	ANRF-PMECRG	**4,144,080**	3 Years	Dr. Vidhya Kamakshi, Assistant Professor, CSED (PI)	CSED
496	NITC/DEAN(R&C)/2026-27/22/ANRF-ARG/EED/KS-496	ANRF- ARG Research Project entitled "Renewable-Integrated Smart EV Charging Platform Featuring Reconfigurability, Interoperability, and grid interactive Management (RISE)"	ANRF- ARG	**2,090,400**	3 Years	Dr. Kumaravel S, Professor, EED (PI)	EED
495	NITC/DEAN(R&C)/2026-27/21/ANRF-PMECRG/MED/SD-495	ANRF- PMECRG Research Project entitled "Development of an ultrasonic cavitation enhanced EDM method for post-processing of laser powder bed fusion parts: A novel approach""	ANRF-PMECRG	**7,104,480**	3 Years	Dr. Sanghamitra Das, Assistant Professor, MED (PI)	MED

494	NITC/DEAN(R&C)/2026-27/20/ANRF-PMECRG/MED/SK-494	ANRF- PMECRG Research Project entitled "Dynamics of an impact-induced rotating jet from a liquid container: breaking the jet-velocity barrier"	ANRF-PMECRG	**6,979,429**	3 Years	Dr. Sangeeth K, Assistant Professor, MED (PI)	MED
493	NITC/DEAN(R&C)/2026-27/19/ANRF-IRG/ECED/JSB-493	ANRF- IRG Research Project entitled "A Novel Approach to Soft Robot Modeling and Control in Rehabilitation: A Koopman Operator Theory Perspective	ANRF- IRG	**5,934,171**	3 Years	Dr. Jailsingh Bhookya, Assistant Professor, ECED (PI)	ECED
492	NITC/DEAN(R&C)/2026-27/18/ANRF-PMECRG/MED/JM-492	ANRF- PMECRG Research Project entitled "High-Fidelity Multiphase-Electrochemistry Solver for Predicting Bubble-Driven Degradation in Electrochemical Cells"	ANRF - PMECRG	**4,464,480**	3 Years	Dr. Jithin M, Assistant Professor, MED (PI)	MED
491	NITC/DEAN(R&C)/2026-27/17/IKS/MED/VK-491	IKS Research Project entitled "Scientific Reconstruction and Engineering Validation of Indigenous Yantra-Vidyā as an Advanced Proto-Manufacturing and Structural System: Integrating Silpa-Šāstra, Material Characterization, and Finite Element Analysis in Hoysala Temple Construction"	IKS	**15,15,600**	2 Years	Dr. Vikash Kumar, Assistant Professor, MED (PI), Dr. Jagadeesha T, Professor, MED (Co-PI), Dr. Ashish Awasthi, Associate Professor, Mathematics (Co-PI) & Dr. Rohan Bhaskar, Assistant Professor, CED(Co-PI)	MED
490	NITC/DEAN(R&C)/2026-27/16/ANRF-ARG/ECED/AA-490	ANRF- ARG Research Project entitled "ECM and ECCM in Cognitive radar electronic warfare: An inverse learning setting"	ANRF- ARG	**91,54,488**	3 Years	Dr. Anup Aprem, Assistant Professor, ECED (PI) & Dr. Sanjay Viswanath, Assistant Professor, ECED (Co-PI)	ECED

489	NITC/DEAN(R&C)/2026-27/15/ANRF-ARG/ECED/NSK-489	ANRF- ARG Research Project entitled "Communication Efficiency in Federated Learning with Advanced Coding Techniques and NOMA for Intelligent Transportation Systems"	ANRF- ARG	**71,31,480**	3 Years	Dr. Nujoom Sageer Karat, Assistant Professor, ECED (PI), Dr. Deepthi P P, Professor, ECED (Co-PI) & Dr. Anup Aprem, Assistant Professor, ECED (Co-PI)	ECED
488	NITC/DEAN(R&C)/2026-27/14/ANRF-PMECRG/CHED/RPM-488	ANRF- PMECRG Research Project entitled "Integrated Experimental and Predictive Modelling of Corrosion Inhibition for Tungsten Contacts in Post-CMP Cleaning: Enabling Semiconductor Device Manufacturing in India"	ANRF-PMECRG	**54,24,480**	3 Years	Dr. Ranjith P M, Assistant Professor, CHED (PI)	CHED
487	NITC/DEAN(R&C)/2026-27/13/ANRF-PMECRG/BSED/SA-487	ANRF- PMECRG Research Project entitled "Influence of Imbibition and Drainage on Plastic Biodegradation in Porous Media"	ANRF-PMECRG	**68,04,480**	3 Years	Dr. Shabina Ashraf, Assistant Professor, BSED (PI)	BSED
486	NITC/DEAN(R&C)/2026-27/12/CPRI/EED/AMPE-486	CPRI Research Project entitled "Development of AI-Powered Diagnostic Methods for Three-Phase Power Transformers Utilizing SFRA (Sweep Frequency Response Analysis)" Bank Account No:	CPRI	**17,277,000**	2 Years	Dr. Ashiq Muhammed P E, Assistant Professor, Electrical Engineering (PI), Dr. Shihabudheen K V, Assistant Professor, Electrical Engineering (Co-PI), Dr. Nimal Madhu,Assistant Professor, Electrical Engineering (Co-PI)	EED
485	NITC/DEAN(R&C)/2026-27/11/CSU/MED/PTG-485	Central Sanskrit University Two months internship on "Exploring Sanskrit Literature to Unravel Hidden Scientific Knowledge"	Central Sanskrit University	**3,00,000**	1 Year	Dr. Pradeepmon T.G., Assistant Professor, MED (PI), Prof. R. Sridharan, Retd Professor, MED	MED

484	NITC/DEAN(R&C)/2025-26/10/ANRF-ARGM/MAT/RA-484	ANRF- ARG MATRICS Research Project entitled "Water wave scattering by vertical flexible porous barriers in a two-layer fluid"	ANRF- ARG MATRICS	**3,000,000**	5 Years	Dr. R Ashok, Assistant Professor, Maths (PI)	MAT
483	NITC/DEAN(R&C)/2025-26/09/ANRF-ARGM/MAT/AA-483	ANRF- ARG MATRICS Research Project entitled "Hybrid Semi-Lagrangian and Finite Point-Based Numerical Framework with Nonlinear Preservation for Solving 2D and 3D Coupled Burgers' Equations and Its Applications"	ANRF- ARG MATRICS	**3,000,000**	5 Years	Dr. Ashish Awasthi, Associate Professor, Maths (PI)	MAT
482	NITC/DEAN(R&C)/2025-26/08/ANRF-ARGM/MAT/SG-482	ANRF- ARG MATRICS Research Project entitled "Effects of Measure Data on Elliptic Partial Differential Equations with Various Singularities"	ANRF- ARG MATRICS	**3,000,000**	5 Years	Dr. Sekhar Ghosh, Assistant Professor, Maths (PI)	MAT
481	NITC/DEAN(R&C)/2026-27/07/NIOT/ECED/RCV-481	NIOT Research Project entitled "Development of integrated speed controller for 7.5kW BLDC Thruster"	NIOT	**3,168,950**	18 Months	Dr. Raghu C V, Assistant Professor, ECED (PI), Dr. Nikhil Sasidharan, Assistant Professor, EED (Co-PI), Dr. Shree Lakshmi M P, Assistant Professor, EED (Co-PI)	ECED
480	NITC/DEAN(R&C)/2026-27/06/ANRF-ARG/CHED/PR-480	ANRF- ARG Research Project entitled "Intensified CO_2 capture and regeneration using Joule and Microwave heating"	ANRF- ARG	**2,652,480**	3 Years	Dr. Panneerselvam Ranganathan, Associate Professor, CHED (PI)	CHED
479	NITC/DEAN(R&C)/2026-27/05/ANRF-ARG/EED/HSN-479	ANRF- ARG Research Project entitled "Development and Experimental Validation of a Novel Robust Predictive Control Framework for HighFrequency Switched Programmable Power Supplies"	ANRF- ARG	**6,712,694**	3 Years	Dr. Harish Sudhakaran Nair, Assistant Professor, EED (PI), Dr. K M Arun Neelimegham, Assistant Professor, EED (Co-PI)	EED

478	NITC/DEAN(R&C)/2026-27/04/ANRF-ARG/EED/NH-478	ANRF- ARG Research Project entitled "DEVELOPMENT OF A DIAGNOSTIC APPARATUS AND EXPERT SYSTEM FOR POWER TRANSFORMER INSULATION BASED ON FREQUENCY DOMAIN SPECTROSCOPY MEASUREMENTS"	ANRF- ARG	**6,383,227**	3 Years	Dr. Nasirul Haque, Assistant Professor, EED	EED
477	NITC/DEAN(R&C)/2026-27/03/Carbocrete/CED/PN-477	Carbocrete Advanced Materials Pvt Ltd Research Project entitled "Characterization and Optimization of Magnesium Sulfate Cement Using Magnesium Oxide-Rich Industrial Waste"	Carbocrete Advanced Materials Pvt Ltd	**115,000**	1 Year	Dr. Praveen Nagarajan, Professor, CED (PI), Dr. Sudha Das, Assistant Professor, CED (Co-PI), Dr. J Sudhakumar, Professor (Retired), CED (Co-PI), Mrs. Anila C Shaju, JRF, CED (Co-PI)	CED
476	NITC/DEAN(R&C)/2026-27/02/BIS/CED/SS-476	BIS Research Project entitled "Study on effective technologies/methodologies available for removal of iron from water for drinking purposes"	BIS	**550,000**	6 Months	Dr. Ganaraj K, Assistant Professor, CED (PI), Dr. Sanjay Singh, Assistant Professor, CED (Co-PI)	CED
475	NITC/DEAN(R&C)/2026-27/01/BIS/CED/SS-475	BIS Research Project entitled "Study on effective technologies/methodologies available for removal of fluoride from water for drinking purposes"	BIS	**575,000**	6 Months	Dr. Sanjay Singh, Assistant Professor, CED (PI), Dr. Ganaraj K, Assistant Professor, CED (Co-PI)	CED
FY-2025-2026							
474	NITC/DEAN(R&C)/2025-26/64/DRDO/BSED/TM-474	"DRDO Research Project entitled "Immunoregulatory ADAM17 as a Mediator of Edemagenic Pulmonary Microvascular Barrier Disruption Under High - Altitude Hypoxia and a target for Drug Repurposing"	DRDO	**3,189,600**	3Years	Dr. Tom Skaria, Assistant Professor, BSED (PI), Dr. K Rajasekhara Reddy, Assistant Professor, BSED (Co-PI)	BSED

473	NITC/DEAN(R&C)/2025-26/63/DOHR/CSED/RH-473	Department of Health Research Project entitled "Spatio-temporal predictive modelling of mental-wellbeing using GIS, climate and environmental determinants in India"	Department of Health	**3,871,126**	3 Years	Dr. Raju Hazari, Asst. Professor, CSED (Co-PI)	CSED
472	NITC/DEAN(R&C)/2025-26/62/CCRH/BSED/BGN-472	CCRH Research Project entitled "Analysis of Silica Nanoparticles in Homoeopathic Medicines and Exploring Their Role as Carriers of Homoeopathic Medicines"	CCRH	**9,833,160**	2 Years	Dr. Baiju G Nair, Asso. Professor, BSED (PI), Dr. Sajith V, Professor, MSED (Co-PI)	BSED
471	NITC/DEAN(R&C)/2025-26/61/ANRF-ARG/BSED/RRK-471	ANRF- ARG Research Project entitled "Development and Characterization of a Cost-Effective Cellulose Based Matrix for Immunoprecipitation Applications"	ANRF- ARG	**2,598,000**	3 Years	Dr. Rajasekhara Reddy Katreddy, Assistant Professor, BSED (PI), Dr. Saket Chandra, Assistant Professor, BSED (PI)	PHY
470	NITC/DEAN(R&C)/2025-26/60/ANRF-ARG/PHY/RVMK-470	ANRF- ARG Research Project entitled "Near-Infrared Cross Section Measurements of Atmospheric Pollutants of Health and Climate Impacts and their Atmospheric Distribution"	ANRF- ARG	**9,732,480**	3 Years	Dr. Ravi Varma M K, Professor, Physics (PI), Dr George K Varghese, Professor, CED (Co-PI)	PHY
469	NITC/DEAN(R&C)/2025-26/59/ANRF-ARG/PHY/SNV-469	ANRF- ARG Research Project entitled "Fabrication of highly ordered and active-site rich electrocatalytic multicomponent nano-architectures using photo-controlled colloidal crystallisation"	ANRF- ARG	**8,644,771**	3 Years	Dr. Subramanyan Namboodiri V, Asso. Professor, Physics (PI), Dr N Sandhyarani, Professor, MSED (Co-PI)	PHY
468	NITC/DEAN(R&C)/2025-26/58/ANRF-ARG/PHY/SM-468	ANRF- ARG Research Project entitled "Positive- Q value neutron transfer and fusion dynamics in lowmedium mass nuclei"	ANRF- ARG	**7,760,221**	5 Years	Dr. Shareef M, Assistant Professor, PHY (PI)	PHY

467	NITC/DEAN(R&C)/2025-26/57/ANRF-ARG/ECED/LK-467	ANRF- ARG Research Project entitled "Dual Polarized Ambidextrous Aperture Spiral Antennas (DP-AMSA) using Substrate Integrated Suspended line (SISL)"	ANRF- ARG	**5,400,480**	3 Years	Dr. Lalit Kumar, Assistant Professor, ECED (PI)	ECED
466	NITC/DEAN(R&C)/2025-26/56/ANRF-ARG/PHY/PKMU-466	ANRF- ARG Research Project entitled "Quadruple Critical Point (QCP) in ternary aqueous ketonic system with trace amounts of Ionic Liquids"	ANRF- ARG	**2,551,148**	3 Years	Dr. P K Madhavan Unni, Assistant Professor, PHY (PI)	PHY
465	NITC/DEAN(R&C)/2025-26/55/ANRF-ARG/BSED/TS-465	ANRF- ARG Research Project entitled "Novel Role of Immunoregulatory ADAM17 in Senescence-Induced Human Vascular Endothelial Barrier Disruption and Impaired Repair: An In Vitro Study With Primary Cells and Predictive Modeling for Insights Unattainable by Wet-Lab Capabilities"	ANRF- ARG	**3,888,480**	3 Years	Dr. Tom Skaria, Assistant Professor, BSED (PI), Dr. Suchithra T V, Professor, BSED (Co-PI)	BSED
464	NITC/DEAN(R&C)/2025-26/54/ANRF-ARG/PHY/AAA-464	ANRF- ARG Research Project entitled "Self-powered graphene/superionic-Cu_2S hybrid p-n heterojunction photodetector enabling Vis-NIR sensing from room-temperature to 500 °C"	ANRF- ARG	**6,396,266**	3 Years	Dr. Aji A. Anappara, Professor, Physics (PI), Dr. Subramanyan Namboodiri V, Asso. Professor, Physics (Co-PI), Dr. Murali Devaraj (IIITD, Kurnool) (Co-PI)	PHY
463	NITC/DEAN(R&C)/2025-26/53/ANRF-ARG/CHED/PKG-463	ANRF- ARG Research Project entitled "Development of a Catalyst System for Sustainable C8-C18 Liquid Fuel Production from Lignocellulosic Biomass and Real-Time Performance Evaluation in CI Engines"	ANRF- ARG	**6,252,480**	3 Years	Dr. Praveen Kumar G, Asst. Professor, CHED (PI), Dr. Teja Reddy Vakamalla, Asst. Professor, CHED (Co-PI), Dr. Nitinkumar D Banker, Associate Professor, MED (Co-PI)	CHED

462	NITC/DEAN(R&C)/2025-26/52/UltraTech/CED/JK-462	UltraTech Cement Limited Research Project entitled "Optimisation of Mix Design and Durability Parameters of Special Composite Cement Concrete for Pumpable and Pavement Applications" Sanction Order No.	UltraTech Cement Limited	**920,400**	10 months	Dr. Jayachandran K., Asst. Professor, CED (PI), Dr. Chandru P, Asst. Professor, CED (Co-PI)	CED
461	NITC/DEAN(R&C)/2025-26/51/ANRF-ARG/MED/BK-461	ANRF- ARG Research Project entitled "Development of WC-6Co carbide cutting inserts with enhanced in-service heat dissipation and real time temperature monitoring via Material Extrusion based Additive Manufacturing"	ANRF- ARG	**5,832,480**	3 Years	Dr. Basil Kuriachen, Associate Professor, MED (PI), Dr. Ashutosh Mishra, Assistant Professor, ECED (Co-PI) and Dr. Sanjeev Kumar Manjhi, Assistant Professor, MED (Co-PI)	MED
460	NITC/DEAN(R&C)/2025-26/50/ANRF-ARG/MSED/NS-460	ANRF- ARG Research Project entitled "Muiti-Biomarker Sepsis Detection: Development of Electrochemical sensors and Point-of Care Device"	ANRF- ARG	**7,272,136**	3 Years	Dr N Sandhyarani, Professor, MSED (PI), Dr. Raghu CV, Assistant Professor, ECED (Co-PI)	ECED
459	NITC/DEAN(R&C)/2025-26/49/DRDO/MED/AS-459	DRDO-ARDB Research Project entitled "Design and Development of metamaterial housing for bearings for passive control of vibrations and force mitigation in rotor systems"	DRDO-ARDB	**4,564,958**	3 Years	Dr. Ashesh Saha, Asst. Professor, MED (PI), Dr. Allen Anilkumar, Asst. Professor, MED (Co-PI)	MED
458	NITC/DEAN(R&C)/2025-26/48/DST-INSPIRE /PHY/CSS/AIR-458	DST - INSPIRE Fellowship under INSPIRE Programme to the Research Scholar Aswathi R (P250060PH), Department of physics.	DST - INSPIRE Fellowship	**2,980,000**	5 Years	Award of INSPIRE Fellowship to Aswathi R, JRF, P250060PH, Research Scholar in Department of Physics under the Supervisor, Dr. C. S. Suchand Sangeeth, Asst. Professor, Physics	PHY

457	NITC/DEAN(R&C)/2025-26/47/DST-INSPIRE /MAT/SAP/VAP-457	DST - INSPIRE Fellowship under INSPIRE Programme to the Research Scholar Vandana P (P250215MA), Department of Maths.	DST - INSPIRE Fellowship	**2,980,000**	5 Years	Award of INSPIRE Fellowship to VANDANA P, JRF, P250215MA, Research Scholar in Department of Maths under Supervisor : Dr. Satyananda Panda, Professor, Mathematics	MAT
456	NITC/DEAN(R&C)/2025-26/46/DST-INSPIRE /CHY/PNP/KTA-456	DST - INSPIRE Fellowship under INSPIRE Programme to the Research Scholar Keerthana V (P250117CY), Department of chemistry.	DST - INSPIRE Fellowship	**2,980,000**	5 Years	Award of INSPIRE Fellowship to KEERTHANA V, JRF, P250117CY, Research Scholar in Department of chemistry under Supervisor : Dr. Parameswaran Pattiyil, Professor, CHY	CHY
455	NITC/DEAN(R&C)/2025-26/45/MOES/CED/KS-455	MoES Post-Doctoral Fellowship entitled "Design and development of a potential Flexible Bladeless Hydro energy converters (FBHECs) to harvest energy from vortex-induced vibration (VIV) of vibrating structures"	MoES Post-Doctoral Fellowship	**3,125,600**		Dr. Karthikeyan S under the mentorship of Dr. Prethiv Kumar R, Assistant Professor, CED	CED
454	NITC/DEAN(R&C)/2025-26/44/AAIDF/CSED/ANN-454	AAIDF (Americal Dental Association) Research grant for the project entitled "Prediction of Bone Quality and Quantity in the missing tooth area for dental implant treatment planning using AI on CBCT images"	AAIDF (Americal Dental Association)	**2,200,320**	2 Year	Dr. Abu Nazar N (P230504BT) PhD Scholar (Part time External Under Dr. Jayaraj P B & Prof. Ratinasamy	CSED

453	NITC/DEAN(R&C)/2025-26/43/DRDO/MED/ABK-453	DRDO-ARMREB Research Project entitled "Evaluation of Microstructure Development and Precipitation Kinetics of High Nitrogen Stainless Steel (used in Ballistic Applications) during Hot Working Conditions"	DRDO	**4,920,900**	3 Year	Dr. Arun Babu Kizhakkiniyakathu., Asst. Professor, MED (PI), Dr. Sumantra Mandal, IIT Kharagpur (Co-PI) & Dr. Rahul MR, ISM Dhanbad(Co-PI)	MED
452	NITC/DEAN(R&C)/2025-26/42/ICMR/MSED/AZ-452	ICMR- Extramural Research Project entitled "Design and development of self-healing auxetic metamaterial for next- generation vascular graft "	ICMR	**12,397,858**	3 Year	Dr. Aparna Zagabathuni, Assistant Professor, MSED (PI), Dr. Hanas T, Associate Professor, MSED (Co-PI)	MSED
451	File No. NITC/DEAN(R&C)/2025-26/41/SPARC/EED/SKV-451	SPARC Research Project entitled "Next-Generation spectral Imaging and AI for Sustainable Agri-Food Quality Management"	SPARC	**10,506,000**	2 Year	Dr. Dr. Shihabudheen K. V., Asst. Professor, EED (PI), Dr. Sudhish N. George, Asso. Professor, ECED (Co-PI)	EED
450	File No. NITC/DEAN(R&C)/2025-26/40/CoEUPD/DAP/MFC-450	TCP, LSGD, Government of Kerala & CoEUPD Research Project entitled "Rationalisation of Floor Space Index in Kerala- Phase II"	LSGD	**1,127,912**	6 Months	Dr. Mohammed Firoz C, Asso. Professor, DAP (PI), Dr. Shyni Anilkumar, Asst Professor, DAP (Co-PI), Dr. Sanil Kumar, Asst Professor, DAP (Co-PI), Dr. Jayasree T K, Asst Professor, DAP (Co-PI), Ar. Chenna Vivek Kumar, Asst Professor, DAP (Co-PI), Dr. Shraddha D Bahirat, Asst Professor, DAP (Co-PI)	DAP

449	File No. NITC/DEAN(R&C)/2025-26/39/DoECC/CED/CNR-449	DoECC Research Project entitled "Assessing Flash Droughts in Kerala under Climate Change: Identification, Field Validation and Impact Analysis"	DoECC	**1,998,400**	2 Years	Dr. Chithra NR, Associate Professor, CED (PI), Dr. Santosh G. Thampi, Professor, CED (Co-PI)	CED
448	File No. NITC/DEAN(R&C)/2025-26/38/ISRO-RESPOND/CED/BR-448	ISRO-RESPOND Research Project entitled "Design of Passive damping elements for a sandwich panel"	ISRO-RESPOND	**1,887,126**	2 Years	Dr. B Radhika, Asst. Professor, CED (PI) & Dr. Venkataraman P, Asso. Professor, MED, IIT Tirupati (Co-PI)	CED
447	File No. NITC/DEAN(R&C)/2025-26/37/SPARC/CED/PSK-447	SPARC-MoE Research Project entitled "Digital Twin Enabled Framework for Soil Erosion, Landslide Susceptibility and Resilient Infrastructure Planning"	SPARC-MoE	**10,854,000**	2 Years	Dr. Pramada S K, Asst. Professor, CED (PI) & Dr. Sathish Kumar D, Asso. Professor, CED (Co-PI)	CED
446	File No. NITC/DEAN(R&C)/2025-26/36/ICMR/BSED/BGN-446	ICMR Research Project entitled "Development of a 4D Bioprinted Lung-on-a-Chip Model with Plant-Derived Bioinks for Studying Micro/Nanoplastic Inhalation Toxicity Using Fluorescent Carbon Dot Tracers"	ICMR	**7,764,488**	3 Years	Dr. Baiju G Nair, Asso. Professor, BSED (PI), Dr. Sajith V, Professor, MSED	BSED
445	File No. NITC/DEAN(R&C)/2025-26/35/COEIR/MED/VKS-445	COEIR research project entitled "Technology development for waste-to-energy, storage and upgradation"	COEIR	**1,100,000**	2 Years	Dr. Vinod Kumar Sharma, Assistant Professor, MED (PI), Dr. T J Sarvoththama Jothi, Associate Professor, MED (Co-PI), Dr. Sandip Rudha Budhe, Assistant Professor, MED(Co-PI), Dr. Sharu B K, Assistant Professor, MED(Co-PI)	MED

444	File No. NITC/DEAN(R&C)/2025-26/34/MoM/CHED/NJK-444	MoM research project entitled "Advancing circular economy developing polymer inclusion membranes(pims) for rare earth element recovery from e-waste"	MoM	**1,000,000**	1 Years	Dr. Noel Jacob Kaleekkal, Assistant Professor, CHED (PI)	CHED
443	File No. NITC/DEAN(R&C)/2025-26/33/ISRO-RESPOND/BSED/IS-443	ISRO-RESPOND research project entitled "Pharmacological Challenges in Space: Stability, Packaging and Dosage form selection"	ISRO-RESPOND	**2,400,610**	2 Years	Dr. Indumathi Sathisaran, Asst. Professor, BSED (PI)	BSED
442	File No. NITC/DEAN(R&C)/2025-26/32/DRDO-NRB/CED/PKR-442	research project entitled "Experimental and Numerical Studies on Response Control Mechanism of Vortex-Induced Vibration of Flexible Cylindrical Structures".	DRDO-NRB	**3,901,093**	3 years	Dr. Prethiv Kumar R, Asst. Professor, DAP (PI), Dr. Kondalraj R,Asst. Professor, CED (Co-PI)	CED
441	File No. NITC/DEAN(R&C)/2025-26/31/CoEUPD/DAP/BP-441	CoEUPD research project entitled "AI-Based Smart Decision Support System for Crowd Management".	CoEUPD	**1,651,848**	1 Year	Dr. Bimal P, Asst. Professor, DAP (PI), Dr. Chithra K, Asso. Professor, DAP (Co-PI), Dr. Sanil Kumar,Asst. Professor, DAP (Co-PI)	DAP
440	File No. NITC/DEAN(R&C)/2025-26/30/CoEUPD/CED/MFC-440	CoEUPD research project entitled "AI-Driven Smart Parking Management System for Urban Special Events: A Case Study of the Beypore International Water Festival".	CoEUPD	**1,501,120**	1 Year	Dr. Munavar Fairooz C, Asst. Professor, CED (PI), Dr. Harikrishna M, Asso. Professor, CED (Co-PI), Dr. Nishant M P,Asst. Professor, CED (Co-PI)	CED
439	File No. NITC/DEAN(R&C)/2025-26/29/IATSS/CED/YVN-439	IATSS research project entitled "International Comparative Study on the Changes in Traffic Accident Risk due to Climate Changes".	IATSS	**572,448**	Until March 22, 2026.	Dr. Yogeshwar V. Navandar, Asst. Professor, CED	CED

438	File No. NITC/DEAN(R&C)/2025-26/28/ISRO-RESPOND/MED/SKCS-438	research project entitled "MEMS Based Pumped Liquid Cooling Loop for Cooling High Heat Flux Dissipating Components"	ISRO-RESPOND	**2,765,600**	2 Years	Dr. Sujith Kumar C S, Asst. Professor, MED (PI), Dr. Vijayaraj K, Asst. Professor, MED (Co-PI) , Dr. Mohammed Rashad K,Asst. Professor, MED (Co-PI)	MED
437	File No. NITC/DEAN(R&C)/2025-26/27/NPOL/EED/AMPE-437	"Broadband Tuning of FFR Transducers for Wideband Sonar Applications"	NPOL-DRDO	**948,060**	8 Months	Dr. Ashiq Muhammed P E, Asst. Professor, EED (PI), Dr. Rijil Ramchand, Professor, EED (Co-PI)	EED
436	File No. NITC/DEAN(R&C)/2025-26/26/ISRO-RESPOND/MED/AA-436	"Development of a mathematical model for a dithered ring-laser gyroscope under harmonic external excitation".	ISRO-RESPOND	**1,403,160**	2 Years	Dr. Allen Anilkumar, Asst. Professor, MED (PI), Dr. Praveen Krishna Krishna I R, IIST Thiruvananthapuram (CO-PI)	MED
435	File No. NITC/DEAN (R&C)/2025-26/26/VISV/ECED/GSH/AHP-435	Post Doctoral Research Fellowship under the Visvesvaraya Scheme	Visvesaraya-PDF	**1,400,716**	1 Years	Dr. Asha Hind P, Post Doctoral Fellow, Visvesvaraya under the mentorship of Dr. Gaurav Siddharth, Assistant Professor, ECED	ECED
434	NITC/DEAN(R&C)/2025-26/25/DST-INSPIRE /MAT/SGJ/FTM-434	DST - INSPIRE Fellowship under INSPIRE Programme to the Research Scholar Fathima T M (P240538MA)	DST - INSPIRE Fellowship	**2,980,000**	5 Years	Award of INSPIRE Fellowship to Fathima T M, JRF, P240538MA, Research Scholar in Department of Maths under Supervisor :Dr. S. Gokulraj, Asst. Professor, Department of Maths	MAT

433	NITC/DEAN(R&C)/2025-26/24/NPOL-DRDO/MED/BK-433	Experimental Investigation of galvanic and stray current corrosion in Marine Bronze due to the influence of micro-structural features in simulated marine atmosphere	DRDO-CARS	**2,330,240**	18 months	Dr. Basil Kuriachen, Asst. Professor, MED, Dr. Ranjith P M, Asst. Professor, CHED, Dr. Arun S,Asst. Professor, MED	MED
432	NITC/DEAN(R&C)/2025-26/23/DST-INSPIRE /PHY/AAA/HSP-432	DST - INSPIRE Fellowship under INSPIRE Programme to the Research Scholar Henna Sherin P (P240085PH),	DST - INSPIRE Fellowship	**2,980,000**	5 Years	Award of INSPIRE Fellowship to Henna Sherin P, JRF, P240085PH, Research Scholar in Department of Physics under Supervisor : Dr. Aji A Anappara, Professor, Department of Physics	PHY
431	NITC/DEAN(R&C)/2025-26/22/LSGD/DAP/MFC-431	Rationalisation of FSI in Kerala	LSGD, Government of Kerala	**250,000**	2 Months	Dr. Mohammed Firoz C, Asso. Professor, DAP (PI), Dr. Shyni Anilkumar, Asst Professor, DAP (Co-PI), Dr. Sanil Kumar, Asst Professor, DAP (Co-PI), Dr. Jayasree T K, Asst Professor, DAP (Co-PI), Ar. Chenna Vivek Kumar, Asst Professor, DAP (Co-PI), Dr. Shraddha D Bahirat, Asst Professor, DAP (Co-PI)	DAP
430	NITC/DEAN(R&C)/2025-26/21//MoES/CED/CNR-430	Impacts of climate change on the probability of weather and hydrological extremes in India and role of global climatic teleconnections on these changes	MoES	**3,811,720**	3 Year	Dr. Chithra NR Associate Professor, CED	CED

429	NITC/DEAN(R&C)/2025-26/20/KSCSTE/CED/PN-429	KSCSTE Research Project entitled "Static and Dynamic Condition Assessment of Existing Concrete Dams Employing Non-Contact Sensing Technique"	KSCSTE	**760,000**	2 year	Dr. Prateek Negi, Assistant Professor, CED (PI), Dr. Praveen Nagarajan, Professor, (Co-PI) CED, and Dr. Santosh G Thampi, Professor, (Co-PI) CED	CED
428	NITC/DEAN(R&C)/2025-26/19/SSSPL/CSED/CC-428	M/s Stockwell Solar Services Private Limited Research Project entitled "Integrated Machine Learning Framework for Molecular Property Prediction in Alzheimer's Drug Discovery" under Corporate Social Responsibility (CSR) initiative.	M/s Stockwell Solar Services Private Limited under Corporate Social Responsibility (CSR) initiative.	**605,000**	Till 10.03.2026	Dr. Chandramani Chaudhary, Assistant Professor, Department of Computer Science & Engineering (PI)	CSED
427	NITC/DEAN(R&C)/2025-26/18/IKS/CIKS/AB-427	Indian Knowledge Systems Approach to Deep Ecology: Integrating Sacred Geography and Sustainability	IKS	**500,000**		Dr. Anjana Bhagyanathan, Assistant Professor, DAP (PI)	DAP
426	NITC/DEAN(R&C)/2025-26/17/DST/ WISESCOPE/MSED/HH-426	Design and development of active materials for flexible rechargeable zinc-air batteries"	DST (WISE SCOPE)	**3,989,900**	3 Years	Dr. Haritha H, WISE-SCOPE fellow under mentorship of Dr. N Sandhyarani, Professor, MSED	MSED
425	NITC/DEAN (R&C)/2025-26/16/CoEUPD/CED/ASTS-425	Groundwater contamination from Septic tanks in Kozhikode city- Development of sustainable and location-specific solutions for mitigating groundwater contamination from septic tanks in Kozhikode, Kerala	CoEUPD	**1,526,400**	19 months	Dr. Anantha Singh T. S., Asst. Professor, CED (PI) Dr. George. K. Varghese, Assoc. Professor, CED (Co-PI) Dr. Aswathy E. V., Asst. Professor, CED (Co-PI)	CED

424	NITC/DEAN (R&C)/2025-26/15/CoEUPD/CED/GKV-424	Revitalizing Canolly Canal: Engineering a Unidirectional Flow for Cleaner Waters	CoEUPD	**3,420,000**	18 months	Dr. George. K. Varghese, Assoc. Professor, CED (PI); Dr. Chithra N. R. Assoc. Professor, CED (Co-PI); Dr. Anantha Singh T. S., Asst. Professor, CED (Co-PI); Dr. Raghu C V., Asst. Professor, ECED (Co-PI)	CED
423	NITC/DEAN (R&C)/2025-26/14/CoEUPD/DAP/AB-423	Documentation to Restoration:Heritage Ponds in Kozhikode District	CoEUPD	**2,198,400**	2Year	Dr. Anjana Bhagyanathan, Assistant Professor, DAP	DAP
422	NITC/DEAN (R&C)/2025-26/13/ICMR/EED/SDP-422	"Cardiac signals for sleep apnea prediction in stroke survivors	ICMR	**51,500**	3 Years	Dr. Sapna Erat Sreedharan, SCTIMST, Thiruvananthapuram and Dr. Subha D. P, Assoc. Professor, EED (Co-PI)	EED
421	NITC/DEAN (R&C)/2025-26/12/DST/CED/GKV-421	Source apportionment and prevention of microplastics in Indian composts	DST	**1,254,000**	2 years	Dr. George. K. Varghese, Assoc. Professor, CED (PI); Dr. Anantha Singh T. S., Asst. Professor, CED (Co-PI) and Dr. Abhishek N Srivastava, Asst. Professor, CED (Co-PI)	CED
419	NITC/DEAN(R&C)/2025-26/11/SPARC/EED/SDP-419	SPARC-GIANT Research Project entitled "MAIHRT- Mathematical AI in Healthcare:	SPARC	**2,569,032**	2 years	Dr. Subha D. P, Assoc. Professor, EED (PI), Dr. Satyananda Panda, Professor, Mathematics (Co-PI) and Dr. Jeetu S. Babu, Asst. Professor, MSED	EED

418	NITC/DEAN(R&C)/2025-26/10/ANRF/CED/ANS-418	ANRF Research Project entitled "NIRVAAH-BioLNG: Nurturing Innovation in bio-methanation Route for enhanced Valorization of waste towards Augmented Harvesting of BioLNG"	ANRF	**3,972,480**	3 years	Dr. Abhishek N Srivastava, Asst. Professor, CED	CED
417	NITC/DEAN(R&C)/2025-26/09/ANRF/EED/DS-417	ANRF Research Project entitled "Edge-Computing assisted Block-chain based Cyber Resiliency Enhancement of Integrated Transmission and Distribution systems"	ANRF	**6,462,480**	3 years	Dr. Devesh Shukla, Asst. Professor, EED	EED
416	File No. NITC/DEAN(R&C)/2025-26/08/DBT/ECED/GKS-416	DBT Research Project entitled "Development of an integrated Deep learning and molecular tool based expert system for early detection and identification of major insect pests and vector transmitted viruses of spice crops"	DBT	**1,686,880**	3 years	Dr. Gopi Krishna Saramekala, Asst. Professor, ECED (PI) and Dr. Sudhish N. George, Assoc. Professor, ECED (Co-PI)	ECED
415	NITC/DEAN(R&C)/2025-26/07/ANRF/EED/AMPE-415	ANRF Research Project entitled "High-Frequency Design and Implementation of a 1 MHz Dual Active Bridge Converter Using Planar Magnetics"	ANRF	**5,938,540**	3 years	Dr. Ashiq Muhammed P E, Asst. Professor, EED	EED
414	NITC/DEAN (R&C)/2025-26/06/DST/CHED/PR-414	DST Research Project entitled "Development of bench-scale system of integrated Higee-based CO2 capture and conversion to light olefins"	DST	**9,805,093**	3 Years	Dr. Panneerselvam Ranganathan, Assoc. Professor, CHED (PI)	CHED
413	NITC/DEAN(R&C)/2025-26/05/ANRF/EED/SRM-413	ANRF Research Project entitled "A Multifunctional Cost-Effective On-Board Power Processor with Wired and Wireless Charging for Electric Vehicles"	ANRF	**7,164,480**	3 Years	Dr. Soumya Ranjan Meher, Asst. Professor, EED	EED

412	NITC/DEAN(R&C)/2025-26/04/ANRF/MSED/SKCN-412	ANRF Research Project entitled "Development of all carbon microheaters for in situ Scanning Electron Microscopy"	ANRF	**6,080,222**	3 Years	Dr. Shyam Kumar C N, Asst. Professor, MSED	MSED
411	NITC/DEAN(R&C)/2025-26/03/ANRF/MED/SK-411	ANRF Research Project entitled "Investigation of Ultrasonic Cavitation Assisted Surface Finishing Process for Additively Manufactured Components"	ANRF	**5,894,056**	3 Years	Dr. A V S S H Sravan Kumar, Asst.Professor, MED	MED
410	NITC/DEAN(R&C)/2025-26/02/UGN/CHED/PR-410	University of Groningen, Netherlands collaborative Research Project entitled "Solid amendments and mapping in coffee farming at Wayanad"	University of Groningen, Netherlands collaborative	**200,000**	1 Year	Dr. Panneerselvam Ranganathan, Assoc. Professor, CHED (PI)	CHED
409	NITC/DEAN(R&C)/2025-26/01/SCXB/DAP/SB-409	Solid Core X Brick Industry Research Project entitled "Development and the viability assessment of eco friendly brick for conventional masonry construction"	Solid Core X Brick Industry	**926,916**	1 Year	Dr. Susanta Banerjee, Asst. Professor, DAP (PI) Dr. Robin Davis, Assoc. Professor, CED (Co-PI)	DAP
FY-2024-2025							
420	NITC/DEAN(R&C)/2024-25/44/ISRO-RESPOND/MED/DLK-420	ISRO-RESPOND research project entitled "Evaluation of leak-proof surfaces in fluid components using image processing and machine learning technique"	ISRO-RESPOND	**2,305,840**	2 Year	Dr. Deepak Lawrence K, Asst. Professor, MED (PI) and Dr. Basil Kuriachen, Asst. Professor, MED (Co-PI)	MED
408	NITC/DEAN(R&C)/ 2024-25/43/KSCSTE/CED /AEV-408	KSCSTE Research Project entitled "Characterizing the abundance and diversity of bioaerosols in Indoor environments to assess the potential exposure to human pathogens and allergens"	KSCSTE	**790,000**	2 Year	Dr. Aswathy E. V., Asst. Professor, CED (PI) Dr. George. K. Varghese, Assoc. Professor, CED (Co-PI) Dr. Anantha Singh T. S., Asst. Professor, CED (Co-PI)	CED

407	NITC/DEAN(R&C) /2024-25/42/KSCSTE /CED/ASTS-407	KSCSTE Research Project entitled "Assessment of coliform removal with travel distance for different soil types of Kerala and development of copper-tube disinfection system to handle the residual coliform count"	KSCSTE	**978,000**	2 Year	Dr. Anantha Singh T. S., Asst. Professor, CED (PI) Dr. George. K. Varghese, Assoc. Professor, CED (Co-PI) Dr. Aswathy E. V., Asst. Professor, CED (Co-PI)"	CED
406	NITC/DEAN(R&C)/2024-25/41/ANRF/CED/MS-406	ANRF Research Project entitled "Performance Evaluation of Micro-Structural and Rheological Characteristics of Emulsfied Bitumen-Filler Mastic on Cold Bituminous Mixes"	ANRF IRG	**4,592,610**	3 Year	Dr. M. Sivakumar, Asst.Professor, CED	CED
405	NITC/DEAN(R&C)/2024-25/40/NRB-DRDO/CED/AKD-405	Investigating Nonlinear Dynamics of Ship Maneuvering motion in Waves using OpenFOAM solver	NRB-DRDO	**4,712,434**	3 Year	Dr. Anil Kumar Dash, Assistant Professor, CED (PI)"	CED
404	NITC/DEAN(R&C)/2024-25/39/SPARC/EED/RRW-404	Networked Marine Robotic Systems for Ocean Exploration	SPARC	**8,442,000**	2 Years	Dr. Rakesh R Warier, Assistant Professor, EED, NITC (Co-PI) Dr. Sarang Chandrashekhar Dhongdi, EED, BITS Pilani KK Birla Goa Campus, Goa (PI)	EED
403	NITC/DEAN(R&C)/2024-25/38/DST-INAE/MED/JT-403	DST- INAE Vaishvik Bharatiya Vaigyanik (VAIBHAV) fellowship	DST- INAE	**7,222,500**	3 years	Prof. Manoj Gupta, VAIBHAV fellow, National University of Singapore Dr. Jagadeesha T, Associate Professor, MED	MED

402	NITC/DEAN(R&C)/2024-25/37/ANRF/ECED/AM-402	Smart, Sustainable, and Low Latency Computational Offloading From Cellular Network With Cooperating UAVs Mounted RHS Communication: Multi-Agent Deep Reinforcement Learning Based Approach	ANRF - IRG	**6,444,480**	3 years	Dr. Abhishek Mondal, Asst.Professor, ECED	ECED
401	NITC/DEAN(R&C)/2024-25/36/ANRF/CED/CP-401	Modelling the electrochemical responses and understanding the corrosion mechanisms of coated steel bars embedded in reinforced concrete systems	ANRF - IRG	**4,946,630**	3 years	Dr. Chandru P, Asst.Professor, CED	CED
400	NITC/DEAN (R&C)/2024-25/35/ANRF/MAT/LMC-400	A Study on Compactly supported, Symmetric and Orthogonal Multiwavelets using Matrix Polynomial Theory	ANRF - IRG	**2,649,366**	3 years	Dr. Lineesh M.C, Associate Professor, Department of Mathematics	MAT
399	NITC/DEAN (R&C)/2024-25/34/DST-FIST/EED/HOD-399	"FIST Engineering Sciences- Project" sanctioned to Department of Electrical Engineering	DST - FIST	**18,400,000**	5 years	HoD, Department of Electrical Engineering Dr. Nasirul Haque, Asst. Professor, EED (Coordinator) and Dr. Harish Sudhakaran Nair, Asst. Professor, EED (Coordinator)	EED
398	NITC/DEAN(R&C)/2024-25/33/ISRO-RESPOND/ CHY/GU-398	Development of 'Hybrid polyhydroxyurethane foam' for aerospace applications	ISRO-RESPOND	**2,301,400**	2 Years	Dr. G. Unnikrishnan, Professor, Department of Chemistry (PI) and Dr. Muniyandi Sankaralingam, Asst. Professor, Department of Chemistry (Co-PI)	CHY

397	NITC/DEAN(R&C)/2024-25/32/ISRO- RESPOND/ CHY/AAV-397	Development of space grade Ammonium Dinitramide (ADN) as energetic oxidizer for composite solid propellant	ISRO-RESPOND	**2,692,000**	2 Years	Dr. Anuj A Vargeese, Asst. Professor, Department of Chemistry (PI) and Dr. Lakshmi C, Professor, Department of Chemistry (Co-PI)	CHY
396	.NITC/DEAN(R&C)/2024-25/31/BIS/CED/CP-396	Study on physical and uniformity test requirements of chemical admixtures used in making cement concrete	BIS	**575,000**	6 month	Dr. Chandru P, Assistant Professor, CED (PI)	CED
395	NITC/DEAN(R&C)/2024-25/30/UGC/ECED/SNG-395	UGC Research Project entitled "Caps Train-Making Wireless Capsule Endoscopy Clinic Ready- Training and Educating Next Generation Researchers" under Indo-Norwegian Cooperation Programme 2024(INCP2)	UGC	**7,000,000**	4 years	Dr. Sudhish N. George, Assoc. Professor, ECED (Project Coordinator)	ECED
394	.NITC/DEAN(R&C)/2024-25/29/ANRF-VAJRA/CED/RDP-394	ANRF VAJRA Faculty scheme:- Collaborative research visit of Dr. Sujith Mangalathu, JP Morgan & Chase, Atlanta, USA	ANRF VAJRA	**10,000,000**	3 years	Dr. Robin Davis, Assoc. Professor, Department of Civil Engineering (Indian Lead Collaborator)	CED
393	NITC/DEAN(R&C)/2024-25/28/NRB-DRDO/ECED/AA-393	Development of Track-Before-Detect algorithms for non-stationary underwater targets	NRB-DRDO	**4,509,577**	30 month	Dr. Anup Aprem, Assistant Professor, ECED (PI) Dr. Deepthi P.P, Professor, ECED (Co-PI)	ECED
392	NITC/DEAN(R&C)/2024-25/27/MoES/CHY/AS-392	Translational Ecology of Deep Sea (TEDS): Host-microbe interactions in the deep-sea habitats and potentials for translational technology	MoES	**1,440,000**	2 years	Dr. A. Sujith, Professor, Department of Chemistry	CHY

391	NITC/DEAN(R&C)/2024-25/26/DST-SHRI/CED/BST-391	Developing CO2 sequestering bio-based materials for eco-friendly digital construction techniques for preserving and protecting Indian heritage buildings	DST-SHRI	**9,795,160**	3 years	Dr. Blessen Skariah Thomas, Ramanujan Fellow, CED (PI), Dr. Kasthurba A. K., Professor, DAP (Co-PI), Dr. Sharu B. K., Asst. Professor, MED (Co-PI), Dr. Suchithra T. V., Professor, BSED (Co-PI)	CED
390	NITC/DEAN(R&C)/2024-25/25/DST/WISE/CHY/TG-390	Design and synthesis of photoactive materials for the application of transparent organic photovoltaics	DST (WISE)	**4,046,160**	3 years	Dr. Tanwistha Ghosh, WISE Postdoctoral Research fellow, Department of Chemistry under mentorship of Dr. A. Sujith, Professor, Department of Chemistry	CHY
389	NITC/DEAN(R&C)/2024-25/24/ISRO-RESPOND/ ECED/BB-389	Design and development of Navigation Grade Voltage to Frequency Converter in SCL-CMOS180nm with Temperature drift compensation and auto zeroing	ISRO-RESPOND	**3,283,640**	2 years	Dr. B. Bhuvan, Assistant Professor,(PI) and Dr. Raghu C. V, Assistant Professor, (Co-PI)	ECED
388	NITC/DEAN(R&C)/2024-25/23/ISRO-RESPOND/EED/RRN-388	Robust adaptive integrated translation and rotation control of a flexible inorbit servicing spacecraft with application to free flyer robotic capture	ISRO-RESPOND	**1,526,406**	2 years	Dr. Ranjith Ravindranathan Nair, Assistant Professor,	EED
387	NITC/DEAN(R&C)/2024-25/21/ISRO-RESPOND/CSED/NKB-387	Compiler design for translation of DNN Networks from python-based AI frameworks to URSC's custom AI chip ISA	ISRO-RESPOND	**3,010,768**	2 years	Dr. Nirmal Kumar Boran, Assistant Professor,	CSED

386	NITC/DEAN(R&C)/2024-25/21/ISRO-RESPOND/CSED/NKB-386	Development of Indigenous Instruction Set Simulator (ISS) & Profiler for SPARC V8 architecture (UT699 and GR740 processor in particular) for linux OS	ISRO-RESPOND	**3,331,200**	2 years	Dr. Nirmal Kumar Boran, Assistant Professor,	CSED
385	NITC/DEAN(R&C)/2024-25/18/KILA/DAP/MFC-385	Institutional framework and Governance for addressing Rural Urban Continuum urbanisation pattern	Kerala Institute of Local Administration (KILA)	**297,000**		Dr. Mohammed Firoz, Associate Professor,	DAP
384	NITC/DEAN(R&C)/2024-25/18/KILA/DAP/MFC-384	Spatial planning and Urban Development in Kerala (Thematic Pillar 1)	Kerala Institute of Local Administration (KILA)	**298,000**		Dr. Mohammed Firoz, Associate Professor,	DAP
383	NITC/DEAN(R&C)/2024-25/18/DBT/BSED/KGS-383	3D bioprinting with plant-based bioinks for developing tissue/organ biomimicking scaffolds for improving osteogenesis	DBT	**3,882,000**	3 years	Dr. K. Gopal Shankar, Assistant Professor,	BSED
382	NITC/DEAN(R&C)/2024-25/17/CSIR/ECED/LR-382	IOT Enabled Physical activity Monitoring System with Flexible and Wearable PVDF-TRFE Based Nanocomposite Tactile Sensor	CSIR	**2,166,880**	3 years	Dr. Lintu Rajan,Assistant Professor,	ECED
381	NITC/DEAN(R&C)/2024-25/16/DRDO-ARDB/MSED/SK-381	Development of Multilayer carbon Metapatterns for High-Performance Broad-band Electromagnetic Shilding Application	DRDO -ARDB	**3,133,424**	3 years	Dr. Shyam Kumar, Assistant Professor C N,	MSED
380	NITC/DEAN(R&C)/2024-25/15/SPARC-MoE/CSED/JPB-380	Low-Cost GPU and Al-Based Computational Tool-Suite for Cancer Diagnosis and Radiotherapy Treatment	SPARC MoE	**7,404,000**	2 years	Dr. Jayaraj P B,Accociate Professor,	CSED
	NITC/DEAN(R&C)/2024-25/14/VISVESVARAYA Ph.D SCHEME-281H	Visvesvaraya Ph.D. Scheme for Electronics and IT: Phase-II" at NIT Calicut	Digital India Corporation	**10,892,400**	5 years	Reshma Mary Jose (P240169EC), Research scholar, ECED under the supervision of Dr. Lintu Rajan, Asst. Professor, ECED,	ECED

281 H-K	NITC/DEAN(R&C)/2024-25/14/VISVESVARAYA Ph.D SCHEME-281I	Visvesvaraya Ph.D. Scheme for Electronics and IT: Phase-II" at NIT Calicut	Digital India Corporation		5 years	Sulala Saleem P (P240201CS), Research scholar, CSED under the supervision of Dr. Vidhya Kamakshi, Asst. Professor,CSED	CSED
	NITC/DEAN(R&C)/2024-25/14/VISVESVARAYA Ph.D SCHEME-281J	Visvesvaraya Ph.D. Scheme for Electronics and IT: Phase-II" at NIT Calicut	Digital India Corporation		5 years	Lekshmi A (P240113EE), Research scholar, EED under the supervision of Dr. Greeshma Mohan U, Asst. Professor, EED	EED
378	NITC/DEAN(R&C)/2024-25/13/TCoE/ECED/VJ-378	6G for Future Railway Mobile Communication System	Telecom Centres of Excellence (TCoE)	**43,621,100**	3 years	Dr. Vinay Joseph, Assistant Professor,	ECED
377	NITC/DEAN(R&C)/2024-25/13/DST-INSPIRE /MAT/DKP/SMP-377	DST - INSPIRE Fellowship under INSPIRE Programme to Research Scholar Sreelakshmi M P	DST - INSPIRE	**2,932,000**	5 years	Fellowship to Sreelakshmi M P, Supervisor : Dr. Deepesh K P, Asst. Professor, Department of Mathematics	MAT
376	NITC/DEAN(R&C)/2024-25/12/BIS/CED/JC-376	Study of durability properties of composite cement (a type of hydraulic cement) currently being manufactured by the cement industry in India	Bureau of Indian Standards(BIS)	**540,500**	6 months	Dr. Jayachandran K, Assistant Professor	CED
375	NITC/DEAN(R&C)/2024-25/11/RSC/BSED/IS-375	Eco-friendly Heavy Metal Recycling with Protein Nanofibrils-functionalized Nanoceria Template via Sorption-crystallization Process	Royal society of Chemistry (RSC)	**524,912**	2 years	Dr. Indumathi Sathisaran, Assistant Professor	BSED
374	NITC/DEAN(R&C)/2024-25/10/SERB(ANRF)-CRG/CHED /SM-374	Process development for Producatin of food grade phycoerythrin (C-PE) from Anabaena sp	Science and Engineering Research Board	**2,161,192**	3 years	Dr. Subhasis Mandal (Co-PI), Assistant Professor	CHED

373	NITC/DEAN(R&C)/2024-25/09/SERB-TARE/PHY/SPK/RC-373	First Principles Investigation of Single Metal Atom Embedded Nitrogen-Doped Graphene for the Detection and Decomposition of Nitric Oxide	Science and Engineering Research Board	**1,830,000**	3 years	Dr. Sajith P K, Asst. Professor, Department of Chemistry, Farook College, Dr. Raghu Chatanathodi (Mentor),Professor	PHY
372	NITC/DEAN(R&C)/2024-25/08/IFC/CED/MFC-372	Real-Time Traffic Management Leveraging Machine Learning Driven Unmanned Aerial Vehicle (UAV) Solutions	Indo-French Centre for the Promotion of Advanced Research (IFCPAR)/Centre Franco-Indien pour la Promotion de la Recherche Avancée (CEFIPRA)	**7,786,875**	3 years	Dr. Munavar Fairooz C, Asst. Professor, CED(PI), Dr. Yogeshwar V Navandar, Asst. Professor, CED (Co-PI)	CED
371	NITC/DEAN(R&C)/2024-25/07/SERB-CRG/PHY/MS-371	Design and Development of Efficient Triboelectric Nanogenerator Using MXene-SrMn03 composite fillers to Polymer-Based Negative Tribo-Layer: A Large-Scale Energy Harvesting Integration From Sea Waves	Science and Engineering Research Board	**4,518,008**	3 years	Dr. Muhammad Shafi (PI), INSPIRE Faculty, PHY Dr. Maneesh Chandran (Co-PI), Asst. Professor,PHY	PHY
370	NITC/DEAN(R&C)/2024-25/06/MoES/EED/RW-370	Autonomous measurement and tracking of deep-sea plumes using swarm of heterogenous underwater vehicles	Ministry of Earth Sciences Research Project	**1,489,840**	2 years	Dr. Rakesh R Warier (Co-PI),Assistant Professor	EED

369	NITC/DEAN(R&C)/2024-25/05/DST-INSPIRE-FF/ECED/NVS/SSM-369	DST INSPIRE Faculty Fellowship under Ministry of Science & Technology	Department of Science & Technology	**11,240,000**	5 years	Dr. Nithin V Sabu (INSPIRE Faculty) Dr. Sameer S M (Co-ordinating Faculty),Professor	ECED
368	NITC/DEAN(R&C)/2024-25/04/SERB-CRG/MED/AKS-368	SERB-CRG Scheme-IN-Vivo& In-Silico Biomechanical Evaluation based design and Development of Upper &Lower Extremity passive Exoskeleton for Occupational Use	Science and Engineering Research Board	**3,423,200**	3 years	Dr. Amit Kumar Singh, Associate Professor, MED & Dr. Ratna Kumar K, Assistant Professor, MED	MED
366	NITC/DEAN(R&C)/2024-25/03/ICSSR/DMS/SSS-366	Sustainability of farmers Producers Organizations in India by Effective Performance Enhancement Interventions"	Indian Council of Social Science Research	**1,450,000**	2 years	Dr. Sreejith S.S, Assistant Professor,	DMS
365	NITC/DEAN(R&C)/2024-25/02/NORATEL/EEE/AM-365	High frequency Transformer for Solid State Transformer Applications"	Noratel Power Components India Private Limited	**900,000**	1 years	Dr. Ashiq Muhammed P E, Assistant Professor,	EED
362	File. No. NITC/DEAN (R&C)/2024-25 /01/ DST-INSPIRE /PHY/AS/AS-362	DST - INSPIRE Fellowship under INSPIRE Programme to the Research Scholar (P230032PH), Department of Physics	Department of Science & Technology	**2,716,000**	5 years	INSPIRE Fellow Ankita Sarma Supervisor : Dr.Anirban Sarkar, Asst. Professor	PHY
2023-24							
379	NITC/DEAN(R&C)/2023-24/048/SERB/EED/SS-379	Design And Development of Highly Efficient Microfluidic Pumping and mixing device for accurate biochemical analysis with deep learning method	SERB -EEQ	**1,868,944**	3 Years	Dr. Sathiya S, Assistant. Professor,	EED
367	NITC/DEAN(R&C)/2023-24/047/SERB/CHED/SKV-367	Molecular Simulation Study of Anti-agglomerant Action between Two Hydrate Surfaces for Flow- Assurance	SERB- EEQ	**3,497,162**	3 Years	Dr. Shivanand Kumar Veesam, Assistant. Professor	CHED

364	NITC/DEAN(R&C)/2023-24/046/SERB-DST/CED/RB-364	Damage Detection in Structural Components using Instantaneous spectral Analysis of Vibration Signals	SERB - SRG	**1,983,810**	2 years	Dr.Radhika B Assistant Professor	CED
363	NITC/DEAN(R&C)/2023-24/045/DST-SERB-CRG/MSP-363	Seismic Response Modification Factors (SRMFs) for Special Steel Moment Resisting Frames (SSMRFs) Designed as per Indian Standards".	SERB- CRG	**2,770,062**	3years	Dr. Muhamed Safeer Pandikkadavath, Assistant Professor	CED
361	NITC/DEAN(R&C)2023-24/047/DST-INSPIRE/PHY/SP-361	DST- INSPIRE Fellowship under INSPIRE Programe to the Research Scholar (P230182PH) Department of Physics	DST - INSPIRE	**2,716,000**	1 years	INSPIRE Fellow Ms.Shameela P Supervisor: Dr. P Muhammed Shafi	PHY
360	NITC/DEAN (R&C)/2023-24 /044/ DST-INSPIRE /CHY/PP/KM-360	DST - INSPIRE Fellowship under INSPIRE Programe to the Research Scholar (P230098CY), Department of Chemistry.	DST - INSPIRE	**2,932,000**	5 Years	Kavya Murali Supervisor: Dr. Parameswaran Pattiyil, Professor, CHY	CHY
359	NITC/DEAN (R&C)/2023-24/043/DST/WISE/PHY/G-359	DST (WISE) Research Project "Liquid marble microcotainers-Controlled fabrication and potential applications"- 3 Years.	DST-WISE	**3,484,967**	3years	Dr. Geethu P M, WISE Postdoctoral Research fellow Dr. Subramanyan Namboodiri Varanakkottu. (Mentor)	PHY
358	NITC/DEAN(R&C)/2023-24/042/MoE-GoI/CSED/MK-358	Ministry of education (GOI) Research Project entitled COEAI - Centre of Excellence in Artificial Intelligence"Sustainable Applications for Mobility, Urban development and Resilience using Artificial Intelligence (SAMUDRA)	Ministry of education (GOI)	**19,960,079**	6 Months	Dr. S D Madhu Kumar, Professor	CSED
357	NITC/DEAN(R&C)/2023-24/041/SERB-CRG/PHY/MC-357	Developing diamond coatings on high cobalt content WC-10% Co Substrates for machining application	SERB-CRG	**3,510,650**	3 Years	Dr. Maneesh Chandran, Assistant Professor,	PHY

356	NITC/DEAN(R&C)/2023-24/040/DRDO/ECED/AA-356	Design And Development of Software Simulation frame work that mimics the Cognitive radar and development of Software System to estimate the Cognitive Radar Capability	DRDO	**3,633,190**	2 Years	Dr. Anup Aprem, Assistant Professor	ECED
355	NITC/DEAN(R&C)/2023-24/039/SERB-DST/CED/PN-355	Monitoring Mechanical Behaviour of Rock Concrete Joint Using Electro-Mechanical impedance Technique".	SERB- SRG	**2,893,200**	2 Years	Dr. Prateek Negi, Assistant Professor,	CED
354	NITC/DEAN(R&C)/2023-24/038/NRCD/CED/SGT-354	NRCD, Ministry of Jal Shakthi, Govt. of India Research Project entitled "Studies on Condition Assessment and Management Plan for the Periyar River Basin"	NRCD	**34,500,000**	3Years	Dr. Santosh G Thampi, Professor,	CED
353	NITC/DEAN(R&C)/2023-24/037/SERB-CRG/MSED/NSR-353	Structure and Property Tuning of Transition Metal Compound to Augment Electrocatalytic Activity Towards Direct Methanol Fuel Cell Applications	SERB- CRG	**5,577,264**	3 Years	Dr. N Sandhyarani, Professor,	MSED
352	NITC/DEAN(R&C)/2023-24/036/SERB-CORE/CHY/MS-352	Nature-inspired Conversion of Biomass to Biofuel: The Lytic Polysaccharide Monooxygenases Paradigm	SERB- CRG	**4,713,196**	3 Years	Dr. Muniyandi Sankaralingam, Assistant Professor	CHY
351	NITC/DEAN(R&C)/2023-24/035/SERB-INAE/CED/YN-351	SERB-INAE Research Project entitled"Design and Development of Virtual Reality Application for Traffic Safety education in Indian School Going Children".	SERB-INAE	**4,780,864**	2 Years	Dr. Yogeshwar V. Navandar, Asst. Professor	CED
350	NITC/DEAN(R&C)/2023-24/034/NIOT/EED/NS-350	National Institute of Ocean Technology(NIOT) Research project entitled "Development of Deck Power converter for shallow water Rov".	NIOT	**660,000**	6 Months	Dr. Nikhil Sasidharan Asst. Professor	EED

349	NITC/DEAN(R&C)/2023-24/033/DST-SERB/EED/RRN-349	Anomaly detection and counter measures in cyber physical systems using advanced control and estimation techniques".	SERB	**122,516**	2 Years	Dr. Ranjith Ravindranathan Nair Asst. Professor,	EED
348	NITC/DEAN(R&C)/2023-24/032/SERB/EED/RR-348	Development of advanced non-linear non-Gaussian state estimators with application to real-life problems".	SERB CRG	**814,667**	3 Years	Dr. Rahul Radhakrishnan, Asst. Professor	EED
347	NITC/DEAN(R&C)/2023-24/031/BPCL/CHED/PR-347	Corporate R&C Centre and BPCL Collaborative Research Project entitled "Investigation on rotating packed beds (RPB) For CO2 removal from industrial off-gas via experiment and numerical modelling".	BPCL	**4,121,150**	2 Years	Dr. Panneerselvam Ranganathan, Assoc. Professor	CHED
346	NITC/DEAN (R&C)/2023-24/030/SERB/MAT/SKN-346	Analysis and computation of sparse optimal control of monodomain equations in cardiac electrophysiology	SERB -MRT	**660,000**	3 Years	Dr. Suresh Kumar Nadupuri, Assoc. Professor	MAT
345	NITC/DEAN(R&C)/2023-24/029/SERB-SRG/PHY/NY-345	Spatial and time-modulated chiral Metasurfaces for THz Wavaband Applications".	SERB SRG	**2,555,344**	2 Years	Dr. Natesan Yogesh, Asst. Professor	PHY
344	NITC/DEAN(R&C)/2023-24/028/SPARC/EED/KS-344	Stability of Power Converter Dominated Microgrid System and its Grid Support Services.	SPARC	**7,502,635**	2 Years	Dr. Kumarvel S, Asst. Professor, EED (Co-PI) Prof. Zakir Hussain Rather, IIT Bombay (PI),	EED
343	NITC/DEAN(R&C)/2023-24/027/SERB-SRG/PHY/AS-343	Investigation on modes of non-distributed feedback optofluidic random laser and their applications in label-free sensing	SERB SRG	**3,281,344**	2 Years	Dr.Anirban Sarkar, Asst. Professor,	PHY

342	NITC/DEAN (R&C)/2023-24/026/ICSSR-PDF/CIKS/NY	Post Doctoral Research Fellowship by the Indian Council of Social Science Research (ICSSR) research scheme entitled "Role of Indian Knowledge System in New Education Policy 2020 and Sustainable Development Goals	ICSSR	**397,000**	2 years	Post Doctoral Fellow - Dr. Nidhi Yadav, Mentor - Dr.R Sridharan, Professor, CIKS	Centre for Indian Knowledge System (CIKS)
341	. NITC/DEAN(R&C)/2023-24/025/SERB-SRG/ECED/NSK	Index Coding for Infotainment Message Dissemination in VANETs	SERB-SRG	**2,170,340**	2 years	Dr.Nujoom Sageer Karat, Asst. Professor,	ECED
340	NITC/DEAN(R&C)/2023-24/024/SERB-SRG/MSED/VEM	Crystallization Kinetics Investigations of Arsenic Doped Phase Change Memory Devices".	SERB	**3,059,760**	2 years	Dr.Vinod E Madhavan, Asst. Professor	MSED
339	NITC/DEAN(R&C)/2023-24/023/SERB-SRG/MAT/VA	Rogosinski and Bohr Radii for Holomorphic Functions	SERB	**1,372,844**	2 years	Dr. Vibhuti Arora, Asst. Professor, MAT	MAT
338	NITC/DEAN(R&C)/2023-24/022/SERB-SRG/MAT/SN	Weyl Modules for Equivariant map Lie superalgebras	SERB	**1,304,109**	2 years	Dr.Saudamini Nayak, Asst. Professor, MAT	MAT
337	NITC/DEAN(R&C)/2023-24/21/GISE HUB/CED/AKR/SKD	Spatial Drought Risk Assessment using Remote Sensing and Geospatial Data	GISE Hub	**1,377,840**	2 years	Dr. Arunkumar R (PI) Asst. Professor, Dr.Sathish Kumar D (Co-PI) Assoc. Professor,	CED
336	NITC/DEAN (R&C)/ 2022-23 /20/ DST-INSPIRE /MAT/BT/SM	DST - INSPIRE Fellowship under INSPIRE Programe	DST	**2,932,000**	5 years	INSPIRE Fellow Ms. Biya Thomas, Co-ordinating Faculty: Dr. Sunil Mathew	MAT
335	NITC/DEAN (R&C)/2023-24/19//DST-INSPIRE/MAT/SM/LMC	DST - INSPIRE Fellowship under INSPIRE Programe	DST	**2,932,000**	5 years	INSPIRE Fellow Ms. Soumi Mahato Co-ordinating Faculty: Dr. Lineesh M C,	MAT

334	NITC/DEAN (R&C)/2023-24/18//DST-INSPIRE/MAT/VM/VA	DST - INSPIRE Fellowship under INSPIRE Programe	DST	**2,932,000**	5 years	INSPIRE Fellow Mr. Vinayak M, Co-ordinating Faculty: Dr. Vibhuti Arora,	MAT
333	NITC/DEAN(R&C)/2023-24/17/SPARC-MoE/CED/SGT	Development of Guidelines for Environmental Flow in a River Located in the Humid Tropics	SPARC	**6,017,680**	2 Years	Dr.Santhosh G Thampi Professor	CED
332	NITC/DEAN(R&C)/2023-24/16/SERB-CRG/MED/BD/VKS	Sustainable Hydrogen production from waste water through Microbial- Photo-Electrochemical System and Purification through Metal Hydride Technology	SERB- CRG	**1,273,030**	3 Years	Dr. Vinod Kumar Sharma Assistant Professor	MED
331	NITC/DEAN(R&C)/2023-24/15/ICSSR/SOMS/NM/DB	Assessing the Impact of Atal Community Innovation Centres (ACIC) on Grassroots-level Innovation and Entrepreneurship: A Comparative Study of Guntur, Nellore, Hyderabad, Virudhunagar, and Kanyakumari	ICSSR	**1,600,000**	6 Month	Dr. Nithya M Assiatant Professor	DMS
330	NITC/DEAN(R&C)/2023-24/14/CSR-TATA/CEVE/EED/NS	Setting up an EV research lab	CSR- TATA ELXSI	**7,524,700**	9 Month	Dr. Nikhil Sasidharan, Assistant Professor	EED
329	NITC/DEAN(R&C)/SPARC-MoE/JGT/MED/2023-24.	Development of Energy-Efficient Lightweight Magnesium alloys and its Characterization for Mitigating Global Warming	SPARC	**4,219,006**	2 years	Dr.Jagadeesha T Assoc. Professor,	MED
328	NITC/DEAN(R&C)/SPARC-MoE/SKCS/MED/2023-24.	Exploring the effect of external electric field on production of high-quality stram for concentrated solar power generator	SPARC	**4,715,263**	2 years	Dr.Sujith Kumar C S, Asst. Professor,	MED
327	NITC/DEAN (R&C)2023-24/11/SHVE/PSR/CHED	Development of lab scale process to demonstrate feasibility success of the proposed pathway for the production of bio propane (Bio-LPG) from rice straw via fermentation and catalytic hydrothermal decarboxylation"	SHV Energy Open Innovation Challenge	**4,418,683**	2 years	Dr Panneerselvam Ranganathan, Assoc. Professor	CHED

326	NITC/DEAN (R&C)/2023-24/10/MeitY/GoI/C2S/DKJ/ECED	High Precision Interfacing Circuits for Capacitive based Sensors (HPICCS) for Defense Applications	MeitY	**9,550,000**	5 years	Dr. Dhanaraj K J, Asst. Professor, ECED (PI) Dr.Bhuvan B. Asst.Prof, ECED (Co-PI) Dr.Ashutosh Mishra, Asst. Prof., ECED (Co-PI)	ECED
325	NITC/DEAN (R&C)/2023-24/SERB/TARE/CED/DSV-KRS.	Performance analysis and assessment of Ferrock cement infused steel composite tubular column under seismic loading	SERB	**1,830,000**	3 years	Dr. D.S Vijayan, Dr.Kodi Ranga Swamy (Mentor)	CED
324	NITC/DEAN (R&C)/2023-24/08/TIH-IITH/MED/SAP	Development of Fully Actuated Multi-Rotor UAV with sensor based data collection system for soil mapping/ Data Driven Agriculture	NMICPS TiHAN	**1,727,500**	3 years	Dr.Sudheer A P, Assoc. Professor MED (PI), Dr. Vineesh K P, Asst. Professor, MED (Co-PI)	MED
323	NITC/DEAN (R&C)/SERB/TARE/ABN-SV/SMSE/2023	Flexible, self healing and high power density supercapacitors based on Poly (3,4-ethylenedioxythiophene) (PEDOT) and PEDOT: PSS (poly(styrene sulfonate)) reinforced with polyhedral oligomeric silsesquioxane (nano-POSS)/Gold coated porous Silica decorated Multi walled Carbon nanotube (MWCNT)/Graphene	SERB Project under TARE	**1,830,000**	3 years	Dr. Ajalesh B Nair, Union Christian College, UC College Road, Aluva, Ernakulam, mentor- Dr.Soney Varghese, Professor	MSED
322	NITC/DEAN (R&C)/2023-24/06/DST-NSM/MED/JM	Lattice Boltzman Solver for Pore-Scale Transport and Electrochemistry in Lithium-Oxygen Batter	DST finded R&D Project (NSM scheme)	**681,084**	3 Years	Dr. Jithin M, Assistant Professor	MED
321	NITC/DEAN (R&C)/2023-24/05/CPRI/EED/KS	Implementation of WBG-based Novel High-Gain Power converter System with a Modified Virtual Inertia Control for Resolving the Issues of the Integration of Inertia Less Renewable and Non-conventional Energy Sources	Central Power Research Institute (CPRI) RSOP	**1,902,000**	2 years	Dr. Kumaravel S, Associate Professor	EED

320	NITC/DEAN (R&C)/2023-24/04/SERB-SIRE/SoBT/CAF	Deciphering the crosstalk between human ependymoma cancer stem cells and myeloid macrophages	Science & Engineering Research Board (SERB)	**1,224,947**	4 Month	Dr. Cecil Antony, Assistant Professor	BSED
319	NITC/DEAN (R&C)/2023-24/03/NBHM/MAT/TP	Error estimates for Two-scale Composite Finite Element Approximations of Nonlinear Thermistor Equations in Nonconvex Polygonal Domains	National Board for Higher Mathematics (NBHM) Department of Atomic Energy	**1,487,900**	3 years	Dr. Tamal Pramanick , Assistant Professor	MAT
318	NITC/DEAN (R&C)/2023-24/02/SERB-SIRE/MED/SCS	Development of upconversion enhanced efficient CPV system integrated with two-phase flow assisted heat spreader	Science & Engineering Research Board (SERB)	**1,457,500**	6 months	Dr. Sujith Kumar C.S, Assistant Professor	MED
317	NITC/DEAN (R&C)/2023-24/01/CMNPF-KSHEC/MED/SKU/JP	Chief Ministers NavaKerala Postdoctoral (CMNP) Fellowship by the Kerala Higher Education Council (KSHEC)	Kerala Higher Education Council (KSHEC)	**2,200,000**	2 years	NKPDF - Dr. S Krishnanunni, Mentor Dr. Jinu Paul, Assoc.Professor,MED.	MED
2022-2023							
316	NITC/DEAN(R&C)/2022-23/044/KSCSTE/SMSE/ST	Carbon based hybrid nanomaterial in ionic fluids for CO2 reduction	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	**1,958,000**	2 years	Dr Shijo Thomas Associate Professor	MSED
315	NITC/DEAN(R&C)/2022-23/043/IEEE/ECED/CY-315	2022.16 Summer School on "THz Electronics	IEEE Electron Devices Society, USA	**404,350**		Dr. Chandan Yadav	ECED

314	NITC/DEAN (R&C)/2022-23/042/SERB-CRG/CED/SP	Influence of Bentonite and Biopolymer as Stabilizers on Micro Mechanical Performance of Pre-crushed Micaceous Sand at Different Degree of Mica Particle Breakage under Varying Cyclic Loading Conditions	Science & Engineering Research Board (SERB)	**1,572,076**	3 years	Dr. Seethalakshmi P Assistant Professor	CED
313	NITC/DEAN (R&C)/2022-23/041/CPRI/EED/NH	Condition assessment of stator insulation in rotational machines due to thermal and electrical ageing through advanced dielectric response measurements	CPRI	**4,072,000**	2 years	Dr. Nasirul Haque Assistant Professor	EED
312	NITC/DEAN (R&C)/2022-23/040/IGSTC-SING/SMSE/SKCN	Small Immediate Need Grand for Fabrication and Testing of lown cost in-situ micro tensile tester for scanning elctron microscopy	Indo German Science & Technology Centre (IGSTC)	**700,000**	9 months	Dr. Shyam Kumar C N Assistant Professor	MSED
311	NITC/DEAN (R&C)/2022-23/039/ICMR/SOBT/CAF	Deciphering host genes that positively regulate the intracellular survival of Klebsiella pneumoniae MDR within the human macrophages	Indian Council of Medical Research (ICMR)	**1,623,117**	3 years	Dr.Cecil Antony Assistant Professor	BSED
310	NITC/DEAN (R&C)/2022-23/038/DST-INSPIRE-FS/CHY/CK/CAS	DST - INSPIRE Fellowship under INSPIRE Programe to the Research Scholar (P220090CY,)	Department of Science & Technology	**774,260**	5 years	INSPIRE Fellow Ms. Charutha K, Co-ordinating Faculty: Dr. Chinna ayya Swamy P Asst. Professor	CHY
309	NITC/DEAN (R&C)/2022-23/037/CPRI/EED/VM	Pilot Implementation of Energy Blockchain and P2P Transactive Markets	Central Power Research Institute (CPRI)	**1,944,000**	2 Years	Dr. Vivek Mohan Assistant Professor	EED

308	NITC/DEAN (R&C)/2022-23/036/SERB-TARE/CED/DMS/SAS	Advancement and Applications of High-Strength High-Performance Concrete Utilising Electrical Arc Furnace Steel Slag Residue and Copper Slag Aggregates	Science & Engineering Research Board (SERB)	**1,830,000**	3 Years	Dr. Deepak M S, Department of Civil Engineering, BMS Institute of Technology and Management, Bengaluru Dr. Sajith A S , Professor (Mentor)	CED
307	NITC/DEAN (R&C)/2022-23/034/SERB-CRG/MED/SCS	Design, fabrication and performance analysis of electro assisted wickless heat spreader operating in a closed flow loop	Science & Engineering Research Board (SERB)	**2,540,230**	3 years	Dr. Sujith Kumar C.S Assiatant Professor	MED
306	NITC/DEAN (R&C)/2022-23/035/SERB-TARE/CED/AS/PN	Investigation on utilization of waste tire rubber and recycled concrete fines in concrete- A multiscale Approach	Science & Engineering Research Board (SERB)	**1,830,000**	3 years	Dr. Sofi A, Assoc. Professor, Department of Structural and Geotechnical Engineering, School of Civil Engineering, VIT Vellore Dr. Praveen Nagarajan, Professor (Mentor)	CED
305	NITC/DEAN(R&C)/2022-23/033/ISRO-RESPOND/EED/STK	Realization of plasma gun for atmospheric plasma polishing	Indian Space Research Organisation (ISRO)	**4,677,920**	2 years	Dr. Sindhu T. K. Professor	EED
304	NITC/DEAN(R&C)/2022-23/032/ISRO-RESPOND/ECED/DKJ	High-Fidelity Sinusoidal Synthesiser for HRG Whole Angle Tracking	Indian Space Research Organisation (ISRO)	**3,353,840**	2 years	Dr.Dhanaraj K J Associate Professor	ECED
303	NITC/DEAN (R&C)/2022-23/031/DST-TDP/PHY/MKRV	Advanced Distributed Acoustic Intrusion Sensing using Optical Fibre Network along Oil Pipelines	Department of Science and Technology	**6,743,016**	2 years	Dr. M K Ravi Varma Professor	PHY

302	NITC/DEAN(R&C)/2022-23/030/CPRHE-NIEPA/SOBT/RGK	CPRHE/NIEPA study on College Readiness and Student Success in Higher Educaeion in NIT Calicut	Nataional Institute of Educational Planning and Administration	**341,000**	1 year	Dr.Rajanikanth GK Professor	BSED
301	NITC/DEAN (R&C)/2022-23/029/SERB-CRG/PHY/SNV	Optically - controlled programmable assembly of multi- component 3D colloidal crystals from evaporating droplets	Science & Engineering Research Board (SERB)	**4,780,380**	3 years	Dr. Subramanian Namboodiri Varanakkot Assistant Professor	PHY
300	NITC/DEAN(R&C)/2022-23/028/SERB/CSED/PM	A step Toward Smart City Environment: A reinforcement Learning Based Intelligent Traffic Control for Transportation Sysytem for smart cities of Kerala	Science & Engineering Research Board (SERB)	**2,540,516**	3 years	Dr. Prabu Mohandas Assosciate Professor	CSED
299	NITC/DEAN(R&C)2022-23/027/KSCSTE-KSYSA/PHY/SNV	Extraction of Colloidal particles from dilute suspensions based on controlled droplet impact	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	**2,425,000**	3 years	Dr. Subramanian Namboodiri Varanakkot Assistant Professor	PHY
298	NITC/DEAN(R&C)/2022-23/026/SERB-CRG/MAT/SSR	A study on the zero multiplicity and S-units in recurrence sequences	Science & Engineering Research Board (SERB)	**2,112,264**	3 years	Dr. Sudhansu Sekhar Rout Assistant Professor	MAT
297	NITC/DEAN(R&C)/2022-23/025/SERB-CRG/EED/SDP	Investigation on the alteration in brain dynamics during progression of Alzheimer Disease (AD) from Mild Cognitive impairment (MCI) under resting and cognitive task conditions using complex network analysis	Science & Engineering Research Board (SERB)	**1,896,400**	3 years	Dr. Subha D.P Associate Professor	EED

296	NITC/DEAN(R&C)/2022-23/024/SERB-NPDF/CHY/PP	National Post-Doctoral Fellowship	Science & Engineering Research Board (SERB)	**1,857,419**	2 years	NPDF- Ms. Shahnaz Sultana Rohman Mentor- Parameswaran Pattiyil, Professor	CHY
295	NITC/DEAN(R&C)/2022-23/023/IKSD-AICTE/DAP/AB	Indian Knowledge Systems approach to deep ecology: Integrating sacred geography and sustainability	Indian Knowledge Systems Division of Ministry of Education-AICTE, New Delhi	**2,528,000**	2 years	Dr. Anjana Bhagyanathan Assistant Professor	DAP
294	NITC/DEAN(R&C)/2022-23/022/KSCSTE/MED/KS	Synthesis and Processing Aluminium Alloy 7075 and Hybrid Composite Developed by Powder Metallurgy Method and Study of Material Characterization, Mechanical Properties and Corrosion behaviour for Aerospace Application	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	**655,000**	2 years	Dr. K. Sekar Associate Professor	MED
293	NITC/DEAN(R&C)/2022-23/021/KSCSTE/MED/AP	Investigations on Valorisation of Coffee Husk through Slow Pyrolysis and Fluidized Bed Gasification	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	**715,000**	3 years	Dr. Arun P Associate Professor	MED
292	NITC/DEAN(R&C)/2022-23/020/SERB/ECED/BAA	Fractional Order non-local Variational Regularization Models and their Applications in Image Processing	Science & Engineering Research Board (SERB)	**660,000**	3 years	Dr. Bini A. A	ECED

291	NITC/DEAN(R&C)/2022-23/019/KSCSTE/CED/SKD	Investigations on the uncertainties in the reservoir inflow and flood forecasts based on Numerical Weather Prediction (NWP) precipitation forecasts	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	**530,000**	3 years	Dr. Sathish Kumar D Associate Professor	CED
290	NITC/DEAN(R&C)/2022-23/018/KSCSTE/CED/YVN	Sustainability assessment of Inland Water Transport: A case study of Kerala	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	**550,000**	3 years	Dr. Yogeshwar V Navandar Assistant Professor	CED
289	NITC/DEAN(R&C)/2022-23/017/NBHM/MAT/SSR	Integral Points on Dynamical Systems	Department of Atomic Energy	**1,016,900**	2 years	Dr. Sudhansu Sekhar Rout Assistant Professor	MAT
288	NITC/DEAN(R&C)/2022-23/016/MeitY/MED/GKK	Capacity Building for human resource development in Unmanned Aircraft System (Drone and Related Technology)	Ministry of Electronics and Information Technology (MeitY)	**15,090,000**	5 years	Dr. Gangadhara Kiran Kumar L Assistant Progessor	MED
287	NITC/DEAN(R&C)/2022-23/015/SERB-SIRE/MED/BK	Microstructural, mechanical and wear behaviour of additively manufactured titanium and stainless steel: An investigation into the effect of build orientation and heat treatment - under SERB International Research Experience	Science & Engineering Research Board (SERB)	**1,834,590**	6 months	Dr. Basil Kuriachen Assistant Professor	MED

286	NITC/DEAN(R&C)/2022-23/014/CEFIPRA/PHY/PP	Perovskite Single Crystalline Solar Cells	Indo French Centre for the Promotion of Advanced Research (IFCPAR) - CEFIPRA	**4,309,107**	5 years	Dr. Predeep P Professor	PHY
285	NITC/DEAN(R&C)/2022-23/013/DRDO-ASL/MED/MKP	Development of High Temperature Substrate for RF Circuit Application	Defence Research & Development Organization (DRDO)	**1,999,000**	18 months	Dr. Murali K P Associate Professor	MED
284	NITC/DEAN(R&C)/2022-23/012/SERB-IMPRINT/MED/BK	Development of low-cost Induction Melted Liquid Metal Additive Manufacturing Machine (IMMAMM) with Numerical and Experimental Investigations	Science & Engineering Research Board (SERB)	**5,762,440**	3 years	Dr. Basil Kuriachen Assistant Professor	MED
283	NITC/DEAN(R&C)/2022-23/011/TIH-IITG/MED/BK	Experimental Investigations into the effect of reinforcement particles on the tribological and corrosion properties of marine grade AA5052 aluminium alloy joints through FSW and Development of suitable attachments	IIT Guwahati Technology Innovation and Development Foundation	**8,800,000**	3 years	Dr. Basil Kuriachen Assistant Professor	MED
282	NITC/DEAN(R&C)/2022-23/010/DST-WOS-A/PHY/MH/RC	Investigation of Heusler alloys for spintronics applications	Department of Science & Technology	**3,508,380**	3 years	Dr. Madhumita Haldar Mentor: Dr. Raghu Chathanathodi, Professor	PHY
281	NITC/DEAN(R&C)/2022-23/009/VISVESVARAYA Ph.D Scheme	Visvesvaraya Ph.D. Scheme for Electronics and IT: Phase II	Digital India Corporation	**10,892,400**	5 years		2022-23

280	NITC/DEAN(R&C)/2022-23/008/DST-INSPIRE-FY/PHY/PMS/MC	INSPIRE FACULTY FELLOWSHIP	Department of Science and Technology	**11,240,000**	5 years	INSPIRE FACULTY: Dr. P Muhammed Shafi Co-ordinating Faculty: Dr. Maneesh Chandran, Asst. Professor, PHY	PHY
279	NITC/DEAN (R&C)/2022-23/007/KHRI/CED/JK -279	Development of Ultra- High-Performance Cecretes (UHPCs) for Road/Bridge Infrastructure in Urban Areas	Kerala Highway Research Institute (KHRI)	**3,591,500**	2 years	Dr. Jayachandran K, Asst. Professor, Department of Civil Engineering	CED
278	NITC/DEAN(R&C)/2022-23/006/SERB/CHY/MC	Design of Gc3n4/cOn4 Nanohybrids as a Quantum Computing Material with Simultaneous Catalytic Activity and Sensing Ability	Science & Engineering Research Board (SERB)	**3,163,732**	3 years	Dr. Mausumi Chattopadhyaya Assistant Professor	CHY
277	NITC/DEAN(R&C)/2022-23/005/SERB/CHY/MMM	Mxene/Polymer Nanocomposites for Self - Powering Wearable Sensors and Devices	Science & Engineering Research Board (SERB)	**4,933,764**	3 years	Dr.Mini Mol M Assistant Professor	CHY
276	NITC/DEAN(R&C)/2022-23/004/CARS/CHED/FF	Modeling , simulation & Design of Mg/H2O seawater batteries using cost effective cathodic materials	Contract for Acquisition of Research Services (CARS)	**976,001**	1 year	Dr.Fthima Fasmin Assistant Professor	CHED
275	NITC/DEAN(R&C)/C-ELECTRIC/NS/EED/2022	Electrically excited Synchronous machine - EESM	C-Electric Automotive Drives Pvt Ltd	**1,300,000**	9 months	Dr. Nikhil Sasidharan Assistant Professor	EED
274	NITC/DEAN(R&C)/NKPDF/CMNP/KSHEC/MM-MKRV/PHY/2022	Chief Minister's NavaKerala Post-Doctoral Fellowships	The Kerala State Higher Education Council	**2,200,000**	2 years	Dr. Muhsin M Mentor: Dr. M K Ravi Varma, Professor	PHY

273	NITC/DEAN(R&C)/NKPDF/CMNP/KSHEC/JNP-SGT/CED/2022	Chief Minister's NavaKerala Post-Doctoral Fellowships	The Kerala State Higher Education Council	**2,200,000**	2 years	Dr. Jesiya N P (Mentor: Dr. Santhosh G Thambi),Professor	CED
2021-2022							
272	NITC/DEAN(R&C)/UGC-DAE/CSR/BK/MED/2022	Development of novel methodology to deposit Micro/Nano secondary phase (Composite coatings) through Electrical Discharge to improve the Surface tribology of Ti6A14V	UGC - DAE	**45,000**	1 year	Dr. Basil Kuriachen Assistant Professor	MED
271	NITC/DEAN(R&C)/DST-FIST/SMSE/2022	FIST program	Department of Science & Technology	**21,200,000**	5 years	HoD, SMSE	MSED
270	NITC/DEAN(R&C)/2021-22/043/DST-INSPIRE-FS/CHY/SV/AAV	INSPIRE FELLOWSHIP	Department of Science and Technology	**917,340**	5 years	INSPIRE Fellow: Ms. Sarika V, Co-ordinating Faculty: Dr. Anuj A Vargeese Asst. Professor	CHY
269	NITC/DEAN(R&C)/LP/MFC/RR/DAP/2022	My City Invisible	British Academy in association with University of Liverpool, UK	**1,287,071**		Dr. Mohammed Firoz Associate Professor	DAP
268	NITC/DEAN(R&C)/2021-22/041/BCEG-OBU/ECED/AAP	Foundational module on Fundamentals in Data Science	British Council going Global - Oxford Brookes University	**1,287,083**	2 years	Dr. Anup Aprem Assistant Professor	ECED
267	NITC/DEAN(R&C)/2021-22/040/SERB/CED/SKD	Investigations on Probabilistic Flood Forecasting Techniques using Medium-Range Numerical Weather Prediction (NWP) Ensembles for the Chaliyar River Basin, Kerala	Science & Engineering Research Board (SERB)	**2,295,240**	3 years	Dr. Sathish Kumar D Associate Professor	CED

266	NITC/DEAN(R&C)/2021-22/039/SERB/CHY/CAS	Design of Functional Main Group Organometallic Molecular Scaffolds: NIR Absorbing Excellent Materials for Sensing, Transportation of Bio-inspired Anions, Two-photon Absorption and OLEDs	Science & Engineering Research Board (SERB)	**3,933,600**	3 years	Dr. Chinnaayyaswamy P Assistant Professor	CHY
265	NITC/DEAN(R&C)/2021-22/038/SERB/PHY/RC	Computational Modelling of Transition Metal Oxides as Electrochemical Catalysts	Science & Engineering Research Board (SERB)	**3,432,000**	3 years	Dr. Raghu Chatanathodi Professor	PHY
264	NITC/DEAN(R&C)/2021-22/037/SERB/PHY/VSR	Performance Enhancement of Ternary Organic Solar Cells using Charge Transfer and Energy Transfer Synergistic Effects	Science & Engineering Research Board (SERB)	**1,727,000**	3 years	Dr. Sivaji Reddy Vari Associate Professor	PHY
263	NITC/DEAN (R&C)/2021-22/036/SERB-RJF/CED/BST/JSK	SERB - Ramanujan Fellowship Scheme	Science & Engineering Research Board (SERB)	**11,900,000**	5 years	Dr. Blesson Skariah Thomas	CED
262	NITC/DEAN(R&C)/ISRO/RESPOND/BK/MED/2022	Mechinability studies and development of a stable manufacturing technique for XH67MBTHO Nickel based super alloy for semi cryogenic engine applications	Indian Space Research Organisation (ISRO)	**792,000**	1 year & 6 Month	Dr. Basil Kuriachen Assistant Professor	MED
261	NITC/DEAN(R&C)/2021-22/034/SERB/CHED/SD	Exploring the effect of Single and Bimetallic-Doped Graphene Oxide (GO) Microporous Architecture by Pool Boiling for High-Quality Steam Generation	Science & Engineering Research Board (SERB)	**3,830,000**	3 years	Dr. Sudev Das Assistant Professor	CHED
260	NITC/DEAN(R&C)/2021-22/033/SERB/CSED/ARKP	Towards solving a Trajectory Planning Problem for Unmanned Aerial Vehicles (UAVs) to a Computational Efficient Algorithm	Science & Engineering Research Board (SERB)	**660,000**	3 years	Dr. Arun Raj kumar P Associate Professor	CSED
259	NITC/DEAN(R&C)/2021-22/032/KSPCB/CED/AEV	Modernization of Pollution Control System of Steel industries	Kerala State Pollution Control Board	**1,000,000**	7 Month	Dr. Aswathy E V Assistant Professor	CED

258	NITC/DEAN(R&C)/2021-22/031/ISRO-RESPOND/PHY/RAM	Investigation of Solar Erupsions using Sub-photospheric Dynamics	Indian Space Research Organisation (ISRO)	**2,474,000**	3 years	Dr. Ram Ajor Maurya Assistant Professor	PHY
257	NITC/DEAN(R&C)/2021-22/030/ISRO-RESPOND/DAP/BP	Development of a model for generation of high-resolution gridded population map	Indian Space Research Organisation (ISRO)	**2,940,000**	3 years	Dr. Bimal P Assistant Professor	DAP
256	NITC/DEAN(R&C)/2021-22/029/SERB/SOBT/AK	Investigation of cross-talk of gene regulation of L-sorbose and galactose metabolism in Candida albicans	Science & Engineering Research Board (SERB)	**2,424,745**	3 years	Dr. Anaul Kabir Professor	BSED
255	NITC/DEAN(R&C)/2021-22/028/SERB/EED/DM	Development of an Adaptive Distance Relaying Scheme in a Low Inertia Power System with Hardware Realization	Science & Engineering Research Board (SERB)	**2,878,790**	2 years	Dr. Deepak m Assistant Professor	EED
254	NITC/DEAN(R&C)/2021-22/027/NRB-DRDO/ECED/APM	Synchronization in Single Carrier and Multi Carrier Underwater Wireless Acoustic Communication System (UWACS)	Defence Research & Development Organization (DRDO)	**3,564,000**	3 years	Dr. Ameer P M Associate Professor	ECED
253	NITC/DEAN(R&C)/2021-22/026/SERB/EED/NH	Condition assessment of polymeric cable insulation through time domain measurements considering the effect of charge trapping in the insulation	Science & Engineering Research Board (SERB)	**1,501,520**	2 years	Dr. Nasirul Haque Assistant Professor	EED
252	NITC/DEAN(R&C)/2021-22/025/SERB/SOBT/TS	Cathepsin-S as a novel direct drug target for preventing barrier and tissue destructive proinflammatory IL- 1 beta signaling in primary, vascular endothelium: an in vitro study	Science & Engineering Research Board (SERB)	**2,962,650**	2 years	Dr. Tom Skaria Assistant Professor	BSED
251	NITC/DEAN(R&C)/2021-22/024/SERB/MED/AP	Agglomeration Abatement in Fluidised Bed Gasification of Ligno-cellulosic Biomasses	Science & Engineering Research Board (SERB)	**3,201,240**	3 years	Dr. Arun P Associate Professor	MED

250	NITC/DEAN(R&C)/2021-22/023/SERB/MED/TJSJ	Acoustic Emissinons from a Premixed Flame Propagating in a Tabular Combustor	Science & Engineering Research Board (SERB)	**2,332,000**	2 years	Dr. T. J. Sarvoththama Jothi Associate Professor	MED
249	NITC/DEAN(R&C)/2021-22/022/SERB/CSED/PD	A Prototype for Drone based Intelligent Coconut Harvester: An Application to Artificial Intelligence (AI) and Internet of Things (IoT)	Science & Engineering Research Board (SERB)	**1,593,510**	2 years	Dr. Pranesh Das Assistant Professor	CSED
248	NITC/DEAN(R&C)/2021-22/021/SERB/CHY/CAS	Supramolecular Rigid Aromatic Multifarene Scaffolds: Selective Recognition of Environmental Pollutants and Ligands for Asymmetric Catalysis	Science & Engineering Research Board (SERB)	**2,586,000**	2 years	Dr. Chinnaayyaswamy P Assistant Professor	CHY
247	NITC/DEAN(R&C)/2021-22/020/SERB/CHY/PP	Stabilization of Compounds with Zero-valent Main-group Elements)	Science & Engineering Research Board (SERB)	**3,245,000**	3 years	Dr. Parameswaran P Professor	CHY
246	NITC/DEAN(R&C)/2021-22/019/SERB/CHY/AAV	Chemical synthesis of filled low dimensional CoSb3 skutterudites for thermoelectric devices with high figures of merit for IC engine - driven vehicles	Science & Engineering Research Board (SERB)	**2,580,000**	2 years	Dr. Anju A Vargeese Assistant Professor	CHY
245	NITC/DEAN(R&C)/2021-22/018/SERB-TARE/SMSE/MKR/SV	Enhancing the performance of solar collector using nanofluids	Science & Engineering Research Board (SERB)	**1,830,000**	3 years	Dr. Mrinal K.R, Asst. Professor, Department of Mechanical Engineering, National Institute of Engineering, Mysore, Karnataka Dr. Sajith V Professor, (Mentor)	MSED

244	NITC/DEAN(R&C)/2021-22/017/SERB-TARE/SMSE/ACP/NS	Designing and Fabrication of Metal-Organic Framework (MOFs) for electrocatalytic applications	Science & Engineering Research Board (SERB)	**1,830,000**	3 years	Dr. Anjana C.P, Asst. Professor, Mar Athanasius College of Engineering, Kothamangalam Dr. N Sandhyarani Professor.(Mentor)	MSED
243	NITC/DEAN(R&C)/2021-22/016/SERB-TARE/ECED/BAO/SSM	Application of Deep Learning Techniques for Impairment Mitigation in Next Generation Multiple Access Technologies	Science & Engineering Research Board (SERB)	**1,830,000**	3 years	Dr. Beena A.O, Asst. Professor, Department of Electronics, SAINTGITS College of Engineering, Kottayam Dr. Sameer S M, Professor.(Mentor)	ECED
242	NITC/DEAN(R&C)/2021-22/015/SERB/CED/ASTS	Integrated electro-oxidation, electro-reduction and electrocoagultion process for the degradation of ammoniacal nitrogen in the presence and absence of carbon based pollutants.	Science & Engineering Research Board (SERB)	**3,155,900**	8 Month	Dr. Anantha Singh T S Assiatant Professor	CED
241	NITC/DEAN(R&C)/2021-22/014/ARDB-DRDO/MED/BK	Experimental Investigations and Elactro-Thermal Modeling of Electrode Wear Compensation in Micro Electric Discharge Machining (μEDM) of Shaped Holes on Super Alloys for Improving the Dimonsional Accuracy and Functional Performance of Cooling Holes on Turbine Blade and Vanes	Aeronautics R&D Board (ARDB), DRDO, Delhi	**1,717,400**	2 years	Dr. Basil Kuriachen Assistant Professor	MED

240	NITC/DEAN(R&C)/2021-22/013/DST-INSPIRE/CHY/MC/JB	INSPIRE Fellowship under INSPIRE Program	Department of Science & Technology	**638,970**	5 years	INSPIRE Fellow- Mr. Munugala Chandrakanth, Co-ordinating Faculty: Dr. Janardhan Banothu, Asst. Professor,	CHY
239	NITC/DEAN(R&C)/2021-22/012/DST-INSPIRE/MAT/DS/SM	INSPIRE Fellowship under INSPIRE Program	Department of Science & Technology	**1,532,481**	5 years	INSPIRE Fellow: Ms. Dhilshana, Co-ordinating Faculty: Dr. Sunil Mathew, Asst. Professor,	MAT
238	NITC/DEAN(R&C)/2021-22/011/DST-FIST/CHED/HoD	FIST program 2020 of DST- to strengthen the Research Facilities in the Department of Chemical Engineering, NIT Calicut.	Department of Science & Technology	**6,800,000**	5 years	Dr. Aparna K Associate Professor	CHED
237	NITC/DEAN(R&C)/2021-22/010/CSR- HEFA/DAP/NMA	Development of a cost-effective and sustainable thermal insulation technique for retrofitting RCC roofs in warm humid climate	Higher Education Financing Agency, a Private Limited	**4,000,000**	3 years	Dr. Naseer M A Professor	DAP
236	NITC/DEAN(R&C)/2021-22/009/CSR-HEFA/ECED/PS	Computer aided diagnosis system for mammogram analysis based breast tumour classification.	Higher Education Financing Agency, a Private Limited	**2,500,000**	3 years	Dr. Praveen Sankaran Associate Professor	ECED
235	NITC/DEAN(R&C)/2021-22/008/SERB/CSED/PC	Design and development of techniques and tools to build a simulation framework for performance evaluation of designs of processors enhanced for virtualization	Science & Engineering Research Board (SERB)	**6,012,600**	3 years	Dr. Priya Chandran Professor	CSED

234	NITC/DEAN(R&C)/2021-22/007/DST-INT-SA/MED/SCS	Solar driven cogeneration of electricity and water in small, rural communities	Department of Science & Technology (International Bilateral Cooperation Division)	**2,196,200**	3 years	Dr. Sujith Kumar C S Assistant Professor	MED
233	NITC/DEAN(R&C)/2021-22/006/ARMREB-DRDO/CHY/AAV	Development of Spray Evaporation Technique for the Preparation of Uniform Microparticles of Ammonium Dinitramide (ADN) and Surface Modificatin by Atomized Spray Coating Method	Armament Research Board, DRDO	**7,259,824**	2 years	Dr. Anju A Vargeese Assistant Professor	CHY
232	NITC/DEAN (R&C)/DST-INSPIRE-FS/PM/MKRV/PHY/2021	INSPIRE Fellowship under INSPIRE Program	Department of Science & Technology	**2,200,000**	5 years	INSPIRE FACULTY: Dr. Pramitha M Co-ordinating Faculty: Dr.M.K.Ravi Varma, Professor,	PHY
231	NITC/DEAN(R&C)/2021-22/004/CONS-GRAVITY/DAP/AB	Sustainable landscape design guidelines: integrating ecology and aesthetics	Gravity Incorp Pvt Ltd	**354,000**	10 month	Dr. Anjana Bhagyanathan Assistant Professor	DAP
230	NITC/DEAN(R&C)/2021-22/003/DST-INSPIRE-FY/ECED/NSK/DPP	INSPIRE Fellowship under INSPIRE Program	Department of Science & Technology	**3,776,735**	5 years	Dr. Nujoom Sageer Karat Assistant Professor	ECED
229	NITC/DEAN(R&C)/2021-22/002/DST/ECED/AA	Non-invasiva measurement and monitoring of pulmonary congestion	Department of Science & Technology	**3,727,396**	2 years	Dr. Anup Aprem Assistant Professor	ECED
228	NITC/DEAN(R&C)/2021-22/001/SERB-POWER/SMSE/NS	Interface Engineering of Rhenium Based Nano Heterstructures for Enhanced Hydrogen Evolution Reaction	Science & Engineering Research Board (SERB)	**3,810,000**	3 years	Dr. N. Sandhyarani Professor	MSED

2020-2021							
227	NITC/DEAN(R&C)/2020-21/032/CSIR/EED/KS	DESIGN AND DEVELOPMENT OF SOLAR PV FED EFFICIENT UNIVERSAL CONVERTER FOR V/F DRIVES IN SMART IRRIGATION SYSTEM	Council for Scientific and Industrial Research	**2,016,000**	3 years	Dr. Kumaravel S, Associate Professor	EED
226	NITC/DEAN(R&C)/2020-21/031/KSCSTE/MED/AKR/SJ	A self – monitored, Indirect,Mixed – Mode Type Drying Unit Suitable for Agro – Product Drying Applications with Fixed – Temperature – Range	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	**250,000**	1 years	Shri. Arun K.Raj, Ph.D Research Scholar, as the PI and Dr. S. Jayaraj, Professor, MED as the Co-Investigator	MED
225	NITC/DEAN(R&C)/2020-21/030/SERB/EED/SMP	A Noval Regenerative Gear-less Drive Train Based on Doubly Fed Poly Phase Synchronous Reluctance Motor with Active Power Factor Correction Capability.	Science & Engineering Research Board (SERB)	**1,835,900**	2 years	Dr. Shreelakshmi M P Assistant Professor	EED
224	NITC/DEAN(R&C)/2020-21/029/SERB/CHY/JB	Human Toll-Like Receptor 2-Selective Agonists: Design, Synthesis and Structure-Activity Relationship in Diverse Heterocyclic Scaffolds	Science & Engineering Research Board (SERB)	**4,734,700**	3 years	Dr. Janardhan Banothu Assistant Professor	CHY
223	NITC/DEAN(R&C)/2020-21/028/SERB/CSED/JP	Design and Development Of A Deep Learning Based Online-Assistance System For Psychologists By Transforming Patient Transcripts To Speech With Emotions Using Text To Speech Synthesis	Science & Engineering Research Board (SERB)	**1,361,800**	2 years	Dr. Jay Prakash Assistant Professor	CSED
222	NITC/DEAN(R&C)/SERB/RD/CHY/2021	Design and synthesis of novel single-atom catalysis for C-C bond cleavage and C-C bond formation reactions	Science & Engineering Research Board (SERB)	**2,746,150**	2 years	Dr. Raju Dey Assistant Professor	CHY

221	NITC/DEAN(R&C)/2020-21/026/DST-FIST/PHY/HoD	DST-FIST Programme	Department of Science and Technology (DST)	**15,500,000**	5 years	HoD,PHY	PHY
220	NITC/DEAN(R&C)/2020-21/025/SERB/ECED/VA	Development of diagnostic tool for Cold Atmospheric Plasma	Science & Engineering Research Board (SERB)	**2,537,070**	2 years	Dr. Venu Anand Assistant Professor	ECED
219	NITC/DEAN(R&C)/SERB/SG/MED/ 2021	Development of Aluminum - Cerium - Scandium Alloys for High Temperature Creep Application and its Experimental Investigations	Science & Engineering Research Board (SERB)	**3,477,400**	3 years	Dr. Srinu Gangolu	MED
218	NITC/DEAN(R&C)/SERB/SV/SMSE/ 2021	Development of 2D heterostructures based wear and corrosion resistant- coatings.	Science & Engineering Research Board (SERB)	**2,952,400**	3 years	Dr. Sajith V Professor	MSED
217	NITC/DEAN(R&C)/SERB-NPDF/SMSE/RVN/NS	National Post-Doctoral Fellowship : Graphene - gold nanocluster conjugate with peptide aptamer as a sensor for early diagnosis of CVDs	Science & Engineering Research Board (SERB)	**2,131,200**	2 years	Ms. Resmi V Nair Post Doctoral Fellow Mentor - Dr. Sandhyarani Professor	MSED
216	NITC/DEAN(R&C)/DST-FIST/CHEMISTRY/2020	DEPARTMENT OF CHEMISTRY- DST-FIST Programme	Department of Science and Technology (DST)	**21,600,000**	5 years	Dr. Parameswaran P Professor	CHY
215	NITC/DEAN(R&C)/SERB/ARN/ECED/ 2020	Fabrication and characterization of ZnON based photo sensors	Science & Engineering Research Board (SERB)	**2,754,350**	2 years	Dr. Aswathi R Nair Assistant Professor	ECED

214	NITC/DEAN(R&C)/2020-21/019/DST-NRDMS/DAP/CK	A framework for decision making using SDSS in the event of crowd formation in smart cities	Department of Science and Technology , NGP Division (earlier NRDMS)	**3,211,358**	2 years	Dr.Chithra K Associate Professor	DAP
213	NITC/DEAN(R&C)/ANIPL/SDMK/CSED/2020	R&D Project with Aryaka Networks India Pvt Limited	Aryaka Networks India Pvt Limited	**826,000**	2 years	Dr. S D Madhu Kumar Professor	CSED
212	NITC/DEAN(R&C)/2020-21/017/DoECC/CED/2020	Investigation of shoreline stability along the Kerala coast using geospatial technologies for sustainable coastal protection measures	Enviornment Department-Directorate of Enviornment & Climate Chenge	**1,320,000**	2 years	Professor, MSED	CED
211	NITC/DEAN(R&C)/2020-21/016/ICAR-NASF/SMSE/SV	Risk assesment of nanoparticle accumulation in soils: Effects of metal oxide nanoparticles on soil bacterial communities,soil microbial processes and evaluation of phytotoxicity using genomic approaches	National Agricultural Science fund (NASF)	**7,420,888**	3 years	Dr. Sajith. V, Professor	MSED
210	NITC/DEAN(R&C)/KSCSTE/TDAP/REJ/ JT/MED/2020	Development of Organic Oil Based Magnetorheological (MR) Fluid and Experimenting Surface Tempering Effect on the Magnetorheological Break Sysytem	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	**400,000**	2 years	Shri. Rakesh Erappa Jinaga, Ph.D Research Scholar, MED,	MED

209	NITC/DEAN(R&C)/KSCSTE/TDAP/AKP/VVP/MED/2020	Development of decision support system for multimodal freight transportation planning with a special application for FCI Kerala region	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	**300,000**	1 year	Dr.Vinay V Panikkar Associate Professor	MED
208	NITC/DEAN(R&C)/KSCSTE/ETP/CNR/ CED/2020	Flood Forecasting using hybrid wavelet-ANN and wavelet- SVM models	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	**590,000**	2 years	Dr. Chithra N R Associate Professor	CED
207	NITC/DEAN(R&C)/KSCSTE/ETP/PP/EED/2020	Development of an alernative fluid to transformer mineral oil	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	**570,000**	2 years	Dr.Preetha P Professor	EED
206	NITC/DEAN(R&C)/2020-21/011/KSCSTE/CED/MH	Image based smart parking management for intelligent transportation systems	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	**945,000**	2 years	Dr. Harikrishna M Associate Professor	CED
205	NITC/DEAN(R&C)/KSED/DE&CC/SCS/MED/2020	Development of desalination system using selectively patterned absorber	Directorateof Environment & Climate Change	**1,375,000**	2 years	Dr. Sujith Kumar C S Assistant Professor	MED

204	NITC/DEAN(R&C)/KSCSTE/ETP /PN/ CED/2020	Behaviour of Steel Fibre Reinforced Rubberized Concrete deep Beams	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	**590,000**	2 years	Dr. Praveen Nagarajan Professor	CED
203	NITC/DEAN(R&C)/ISRO-RESPOND/PN/CED/2020	To develop a software for linear and nonlinear static analysis of structures using Applied Element method	Indian Space Research Organisation (ISRO)	**1,388,000**	2 years	Dr. Praveen Nagarajan Professor	CED
202	NITC/DEAN(R&C)/BPRD-MHA/SDMK/CSED/2020	Proactive Monitoring of online Social Network for Prevention of Crime against Women & Children (PMOPCWC)	Bureau of Police Research & Development	**5,000,000**	2 years	Dr. S D Madhu Kumar Professor	CSED
201	NITC/DEAN(R&C)/MeityY/NaMPET/ KS/EED/2019-20	GaN based High Gain DC/DC Converter fed Multi-level Inverter for UPS Application	Ministry of Electronics and Information Technology (MeitY)	**3,848,000**	18 months	Dr. Kumaravel S, Associate Professor	EED
200	NITC/DEAN(R&C)/KSCSTE-ETP/JG/EED/2019-20	Stator Fault Diagnosis through Wavelet Based MCSA of Inverter Fed Induction Motor	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	**670,000**	2 years	Dr. Jagadanand G Professor	EED
199	NITC/DEAN(R&C)/2020-21/004/DST/CHED/NJK	integrated hydrodynamic cavitation-membrane distillation technology for enhanced water recovery from industrial effluent	Department of Science & Technology	**2,160,800**	2 years	Dr. Noel Jacob Kaleekkal Assiatant Professor	CHED

198	NITC/DEAN(R&C)/DST/FIST/MATHS/ 2019	Financial assistance to the Department of Mathematics, NIT Calicut under FIST Program to Strengthen the Research Facilities in the Department	Department of Science & Technology	**2,900,000**	5 years	Dr.Satyananda Panda Professor	MAT
197	NITC/DEAN(R&C)/2020-21/002/SERB/CHED/SD	Study and development of highly efficient multichannel photocatalytic micro/milli reactor for textile waste water treatment exploiting hollow spherical zinc based metal oxide composite	Science & Engineering Research Board (SERB)	**2,061,850**	2 years	Dr. Susmitha Das Assistant Professor	CHED
196	NITC/DEAN(R&C)/SERB/SN/SMSE/2019-196	RATIONAL DESIGN AND DEVELOPMENT OF NON-PRECIOUS MIXED TRANSITION METAL OXIDES FOR OXYGEN REDUCTION REACTION	Science & Engineering Research Board (SERB)	**4,148,890**	3 years	Dr. N. Sandhyarani Professor	MSED
2019-2020							
195	NITC/DEAN(R&C)/SERB(DST)/AGILAN/CED/2019-195	Design and development of an expert system for updating rainfall Intensity-Duration-Frequency curves under climate change and non-stationarity	Science & Engineering Research Board (SERB)	**1,862,300**	2 years	Dr.Agilan V Assistant Professor	CED
194	NITC/DEAN(R&C)/2019-20/025/CONS-TATA/CHED/TRV	Design modification of TATA-JK dense medium cyclone for the efficient separation of middling coal using CFD	Tata Steel Limited	**780,000**	9 months	Dr. Teja Reddy Vakamalla Assistant Professor	CHED
193	NITC/DEAN(R&C)/SERB/ASHESH SAHA/MED/2019/193	Control of Instabilities in Jeffcott rotor	Science & Engineering Research Board (SERB)	**2,343,387**	2 years	Dr. Ashesh Saha Assistant Professor	MED
192	NITC/DEAN(R&C)/2019-20/023/SERB/MED/RKK	Development of kitchen layout for paraplegi	Science & Engineering Research Board (SERB)	**2,675,120**	3 years	Dr.Ratna Kumar Kondareddy Assistant Professor	MED
191	NITC/DEAN(R&C)/SERB(DST)/SPV/ECED/2019	Development of an indigenous tool for the enhancement of medical images using deep neural networks.	Science & Engineering Research Board (SERB)	**2,934,630**	2 years	Dr.Sudeep P V Assistant Professor	ECED

190	NITC/DEAN(R&C)/2019-20/021/KSCSTE - ETP/CED/GKV	Design and Development of a Real-time Optical Sensr for Selected VOCs in air and its application for field Measurements	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	**455,000**	2 years	Dr. George. K. Varghese Associate Professor	CED
189	NITC/DEAN(R&C)/DST/INSPIRE-FELLOWSHIP/AY/SMSE/2019	INSPIRE Fellowship under INSPIRE Program	Department of Science and Technology	**1,919,557**	5 years	INSOIRE Fellow: Ms. Anagha Yatheendran, Co-ordinating Faculty: Dr. N. Sandhyarani	MSED
188	NITC/DEAN(R&C)/2019-20/019/SERB/CHED/NJK	Development of Electrospun Membranes with Graded Hydrophobicity for Membrane Distillation	Science & Engineering Research Board (SERB)	**2,644,400**	2 years	Dr. Noel Jacob Kaleekkal Assiatant Professor	CHED
187	NITC/DEAN(R&C)/SERB/DST/MMM/CHEMISTRY/2019	Two-Dimensionally Tailored Conductive Polymer Networks for Multi-Functional Applications	Science & Engineering Research Board (SERB)	**3,420,500**	3 years	Dr. Mini Mol M Assistant Professor	CHY
186	NITC/DEAN(R&C)/ICSSR/MHRD/IMPRESS/BP/DAP/2019	Sociotope mapping as a tool for policy framework in an urban cultural landscape	Indian Council of Social Science Research (ICSSR)	**800,000**	2 years	Dr. Bimal P Assistant Professor	DAP
185	NITC/DEAN(R&C)/ANERT/PP/PHYSICS/2019	Design and Fabrication Strategies for Organic Hybrid Perovskite Solar Cells	AGENCY FOR NON-CONVENTIONAL ENERGY & RURAL TECHNOLOGY (ANERT)	**496,989**	6 months	Dr. Predeep P Professor	PHY

184	NITC/DEAN(R&C)/ICSSR/MHRD/IMPRESS/VVP/MED/2019	Assessment of Occupational hazards for Worker well-being under Clean india Initiative	Indian Council of Social Science Research (ICSSR)	**735,000**	1 year	Dr.Vinay V Panikkar Associate Professor	MED
183	NITC/DEAN(R&C)/ICMR/HT/SNST(SMSE)/2019	Development and Characterisation of Biodegradable Magnesium based Alloys for Degradable Metallic Implants	Indian Council of Medical Research (ICMR)	**4,250,544**	3 years	Dr. Hanas T Associate Professor	MSED
182	NITC/DEAN(R&C)/IE(India)/SJ/MED/2019	Selectively Patterned Porous Evaporative Structure for Enhanced Solar Driven Interfacial Evaporation	The Institution of Engineers (India)	**100,000**	1 year	Dr.S Jayaraj Professor	MED
180	NITC/DEAN(R&C)/ISRO-RES/DPP/ECED/2019	VLSI implementation of Low Density Parity Check (LDPC) Encoder/Decoder for on-board/ground satellite applications	Indian Space Research Organisation (ISRO)	**3,012,000**	2 years	Dr.Deepthi P P Professor	ECED
179	NITC/DEAN(R&C)/N-PDF/SERB/MM-MKRV/PHYSICS/2019	National Post-Doctoral Fellowship	Science & Engineering Research Board (SERB)	**1,920,000**	2 years	NPDF - Dr. Muhsin M, Mentor, Dr. M.K.Ravi Varma, Professor,	PHY
178	NITC/DEAN(R&C)/DST/VS/CHEMICAL/2019	Microbial recovery of biogenic methane from coal rejects with CO2 sequestration using novel hybrid geo photobioreactor and recalamination of the site	Department of Science and Technology	**1,763,600**	3 years	Dr. V Sivasubramanian Professor	CHED
177	NITC/DEAN(R&C)/ICSSR/MHRD/IMPRESS/MP/CSED/2019	Initiative to Resolve Socio-Economic Issues of the Marginalized Transgender Community through Fuzzy Cognitive Map (FCM) Approach in and around kozhikode	Indian Council of Social Science Research (ICSSR)	**1,000,000**	2 years	Dr. Prabu Mohandas Assosciate Professor	CSED

176	NITC/DEAN (R&C)/KSCSTE/PDF/BV/CHEMISTRY/2019	(Post Doctoral Fellowship) Scope of Photo-redox catalysis for oxidative enolate coupling: for the synthesis of Nitrogen containing compounds	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	**472,400**	2 years	KSCSTE Post Doctoral Fellow Dr. Baby Viswambharan, Lakshmi, Assoc.Professor, Chemistry (Mentor)	CHY
174	NITC/DEAN(R&C)/2019-20/006/SPARC-MHRD/EED/NS	A Resilient DC Community Grid for the Provision of Ancillary Services to Local Grid	Scheme for Promotion of Academic and Research Collaboration (SPARC)	**6,479,841**	2 years	Dr. Nikhil Sasidharan Asst. Professor	EED
173	NITC/DEAN(R&C)/MeitY/YFRF/KS/EED/2019	Young Faculty Research Fellows (YFRFs) of Visvesvaraya PhD Scheme	Digital India Corporation	**1,465,886**	2 years	Dr. Kumaravel S, Associate Professor	EED
172	NITC/DEAN(R&C)/SPARC-MHRD/NJK/CHEMICAL/2019	Tuning The Performance of Thin-Film Composite Membranes on Electrospun Support for Engineered Osmosis in water remediation.	Scheme for Promotion of Academic and Research Collaboration (SPARC)	**4,341,965**	2 years	Dr. Noel Jacob Kaleekkal Assiatant Professor	CHED
171	NITC/DEAN(R&C)/ICSSR/MHRD/IMPRESS/AB/ARCHI/2019	Attitudes towards the environment: Study in Kerala,post 2018 floods	Indian Council of Social Science Research (ICSSR)	**600,000**	2 years	Dr. Anjana Bhagyanathan Assistant Professor	DAP
170	NITC/DEAN(R&C)/2019-20/002/SERB/ECED/SG	An Intelligent System for Retinopathy of Prematurity (ROP) Screening and Diagnosis	Science & Engineering Research Board (SERB)	**3,090,252**	3 years	Dr.Sreelekha G Professor	ECED
169	NITC/DEAN(R&C)/2019-20/001/SERB/CHED/PSR	Process Intensification of Post-Combustion CO2 Capture using Rotating Packed Bed Reactor concept	Science & Engineering Research Board (SERB)	**3,055,800**	3 years	Dr.Panneerselvam Ranganathan Associate Professor	CHED

2018-2019							
168	NITC/DEAN(R&C)/2018-19/025/SERB/MAT/SP	Modeling and Simulation of Fluid Motion on the Surface Profile Generation in Micro EDM	Science & Engineering Research Board (SERB)	**660,000**	3 years	Dr.Satyananda Panda Professor	MAT
167	NITC/DEAN(R&C)/2018-19/024/SERB-TARE/PHY/DJ/RC	Computational investigation on the mechanism of formation of MoS2 tribofilm from MoDTC and its degradation with ageing of oil	Science & Engineering Research Board (SERB)	**1,830,000**	3 years	Dr. Deepthi Jose, Providence Womens' College, Malaparamba, Kozhikode Mentor: Dr. Raghu Chatanathodi, Professor, Physics	PHY
166	NITC/DEAN(R&C)/2018-19/023/SERB/CHED/BS	Development of Bio-modified carbon paste electrode for the detection and removal of heavy metals from wastewater	Science & Engineering Research Board (SERB)	**4,264,000**	3 years	Dr.S.Bhuvaneshwary Associate Professor	CHED
165	NITC/DEAN(R&C)/2018-19/022/SERB/ECED/SKJ	Design and implementation of breath analyzer for diabetes detection	Science & Engineering Research Board (SERB)	**5,165,000**	3 years	Dr.Suja K J Associate Professor	ECED
164	NITC/DEAN(R&C)/2018-19/021/SERB/CHED/PKSM	A highly flexible Piezo-tribo nanogenerator based on electrospun PVDF nanofibers containing the modified and decorated carbonaceous nanoparticles for capturing human kinematics	Science & Engineering Research Board (SERB)	**2,289,500**	3 years	Dr. Prasanna Kumar S Mural	CHED
163	NITC/DEAN(R&C)/2018-19/020/DST INSPIRE-FY/EED/SMP/JG	INSPIRE Faculty Fellowship Scheme	Department of Science and Technology	**3,500,000**	5 years	Dr.Shreelakshmi M P (INSPIRE Faculty) Dr.Jagadanand G Professor (Coordinator)	EED

162	NITC/DEAN(R&C)/2018-19/019/DST-WOS-B/ECED/AMV/SKJ	Development of point of care prognosis based exhaled breath analyser for cardiovascular diseases CVD	Department of Science & Technology	**2,849,980**	3 years	PI :- Ms.akshaya M V(Ph.D Scholar) Mentor:- Dr. Suja K J Associate Professor	ECED
161	NITC/DEAN(R&C)/DST/NS/SNST/2019	Design and Development of a low cost, rapid and sensitive sensor for the on-site detection of Endotoxin	Department of Science & Technology	**4,384,560**	3 years	Dr. N. Sandhyarani Professor	MSED
160	NITC/DEAN(R&C)/2018-19/017 /UGC-DAE-CSR/AAA/PHY/2019	Synthesis & Characterization of Carbon-based Functional Nanomaerials for Chemical Sensing	UGC - DAE Consortium for Scientific Research	**242,030**	1 years	Dr. Aji A. Anappara Professor	PHY
159	NITC/DEAN(R&C)/2018-19/016 /DST INSPIRE-FS/EED/TK/RR	INSPIRE Faculty Fellowship Scheme	Department of Science and Technology	**3,500,000**	5 years	Dr.Tharakanath Kobaku (Inspire Faculty) Dr.Rijil Ramachand (Mentor), Professor	EED
158	NITC/DEAN(R&C)/DST/INSPIRE-FS/MS/CHEMISTRY/2018	Synthesis and Reactivity Studies of Rare Mononuclear High-Spin Manganese (V)-oxo (S=1) complexes	Department of Science & Technology	**3,500,000**	4 years	Inspire Faculty- Dr. Muniyandi Sankaralingam Assistant Professor	CHY
157	NITC/DEAN(R&C)/2018-19/014/SERB/MED/DLK	Investigations into the influence of 3-D surface topographic parameters and cross hatch angle of cylinder liner surface on the friction and wear of piston ring cylinder liner assembly.	Science & Engineering Research Board (SERB)	**4,109,580**	3 years	Dr.Deepak Lawrence K Assistant Professor	MED
156	NITC/DEAN(R&C)/2018-19/013/SERB/CED/AB	Investigation in to the Design and Performance Analysis of Encased Stone Column supported Embankments with Geocells as Basal Reinforcement	Science & Engineering Research Board (SERB)	**3,984,770**	3 years	Dr.Anjana Bhasi Assistant Professor	CED
155	NITC/DEAN(R&C)/2018-19/012/SERB/SOBT/SPS	Unraveling molecular mechanisms linking adipokine (leptin) and steroid hormone (estradiol) to endometrial cancer for novel therapeutic approaches	Science & Engineering Research Board (SERB)	**267,980**	3 years	Dr.Suresh P S Assosciate Professor	BSED

154	NITC/DEAN(R&C)/2018-19/011/DBT/SOBT/SPS	Exploration of the Diagnostic/Therapeutic Potential of Non-coding RNAs-Phosphatase-HER2-UPAR cross talk in breast cancer	Department of Biotechnology (DBT)	**5,643,200**	3 years	Dr.Suresh P S Assosciate Professor	BSED
153	NITC/DEAN(R&C)/2018-19/010/DST-INSPIRE-FY/CHED/PSR	DST INSPIRE FACULTY SCHEME Project enitled "Development of hydrothermal liquefaction of microalgae for bio oil production	Department of Science and Technology (DST)	**3,500,000**	5 years	Dr.Panneerselvam Ranganathan Associate Professor	CHED
152	NITC/DEAN(R&C)/2018-19/009/SERB/MAT/DRV	Design of Optimal Reliability Acceptance Sampling Plans based on Multi-sage Process, Inliers and Accelerated Tests	Science & Engineering Research Board (SERB)	**742,500**	3 years	Dr. Mahesh kumar Associate Professor	MAT
151	NITC/DEAN(R&C)/2018-19/008/SERB/CHED/DRV	Developing Soft Sensors for Copolymerization Monitoring and Control based on Reaction Calorimetry	Science & Engineering Research Board (SERB)	**3,779,600**	3 years	Dr.Dhanya Ram V Assistant Professor	CHED
150	NITC/DEAN(R&C)/2018-19/007/DST INSPIRE - FY/SMSE/LVN/HT	DST INSPIRE FACULTY SCHEME - Project entitled" Precise synthesis and purification of platinum nanocluster as anti-cancer agent: a new approach for cacer diagnosis and treatment	Department of Science and Technology (DST)	**10,915,457**	5 years	Inspire Faculty- Dr. Lakshmi V Nair Coordinator: Hanas T Associate Professor	MSED
149	NITC/DEAN(R&C)/2018-19/ 006/ SERB-CARTRAC/CSED/ARK	CollAboRative Trusted Anonymous Communication in vehicular networks	Science & Engineering Research Board (SERB)	**4,363,561**	3 years	Dr. Arun Raj kumar P Associate Professor	CSED
148	NITC/DEAN(R&C)/DST-SERB/PM/CSED/2018	A Long Term Solution: Fuzzy Logic Based Image-Acoustic Classification to Detect the Elephant Movement Patterns in Hosur Forest Areas to avoid Human-Elephant Conflicts	Science & Engineering Research Board (SERB)	**3,502,000**	4 years	Dr. Prabu Mohandas Assosciate Professor	CSED
147	NITC/DEAN(R&C)/SERB-DST/SPK/MAT/2018	A Study of Riesz Transforms Associated to the Grushin Operator	Science & Engineering Research Board (SERB)	**660,000**	3 years	Dr. Sanjay P. K. Associate Professor	MAT

146	NITC/DEAN (R&C)/DST/ INSPIRE/AD/CHEMISTRY/2018	INSPIRE Fellowship under INSPIRE Programe	Department of Science and Technology	**2,166,233**	5 years	INSPIRE Fellow - Ms. Athulyadas, Co-ordinating Faculty: Dr. Muniyandi Sankaralingom, Assistant Professor	CHY
145	NITC/DEAN (R&C)/DST/ FIST/ ECED/2018	Financial assistance to the Department of Electronics and Communication Engineering, NIT Calicut under FIST Program to Strengthen the Research Facilities in the Department - (i) Test Bed for ADvanced Wireless Communicaton System Design (Rs.170 lakh) ii) Data Acquisition and Debugging tool (Rs.12 lakh) iii) Multimedia Processing Unilt, Infrared Camera and Audiometery Booth (Rs. 10 lakh, iv) Work station with High End Graphic Processing Unit (Rs. 8 lakh)	Department of Science & Technology	**21,600,000**	5 years	HoD	ECED
144	NITC/DEAN (R&C)/SERB/ DST/ SNV/PHYSICS/2018	Optofluidic Platform for Controlled Droplet Manipulation	Science & Engineering Research Board (SERB)	**4,676,402**	3 years	Dr. Subramanyan Namboodiri Varanakkottu Assistant Professor	PHY
2017-2018							
143	NITC/DEAN (R&C)/MHRD/SAP/ IITM/LS/CHEMISTRY/2018	MHRD Grant for SWACHHTA ACTION PLAN (SAP) Project to NIT Calicut through IC & Sr, IIT Madras	IC & SR, IIT Madras	**7,500,000**	3 years	Dr.Lisa Sreejith Professor	CHY
142	NITC/DEAN (R&C)/DST/WOS-A/SS/CHEMISTRY/2017	Cationic Mesothienylporphyrins and its Trasition Metal Complexes: Synthesis, Photophysical, Electrochemical Studies and DNA Interaction	Department of Science & Technology (DST) WOS -A	**3,030,500**	3 years	Dr. Sujatha S (PI) Dr. C. Arunkumar, A.P, Chemistry (Mentor) Dr. P Parameswaran (New Mentor)	CHY

141	NITC/DEAN (R&C)/CWC/DRIP/ SGT/CED/2017	Capacity Building in Dam Safety Related Areas - Rehabilitation & Improvement (DRIP)	Ministry of Water Resources - Central Water Commission	**25,000,000**	3 years	Dr. Santosh G. Thampi Professor	CED
140	NITC/DEAN (R&C)/DST/VGM-NMA/ARCHI/2017	Model for Port based Sustainable Containerized Traffic Operation in India	Department of Science & Technology (DST) WOS -A	**2,110,000**	3 years	Ms. Vidya G. Mohan (Principal Investigator) Dr. Naseer M A,. Professor,(Mentor)	DAP
139	NITC/DEAN (R&C)/DST/WOS-B/ SM-SK/CSED/2017	Chetas	Department of Science & Technology (DST) WOS -B	**1,897,700**	3 years	Ms. Sreeja M, (Principal Investigator) & Dr. Saidalavi Kalady, Assoc. Professor, CSED (Mentor)	CSED
138	NITC/DEAN (R&C)/DST/SJ/MED/ (2016)/2017	Development, Testing and Standardization of Heat Pump Water Heaters using Solar Photovoltaic Thermal Hybrid Evaporators	Department of Science and Technology	**3,836,800**	3 year	Dr.S Jayaraj Professor	MED
137	NITC/DEAN (R&C)/KSCSTE/SP /APS&PN/CED/2017	Development of steel fibre reinforced GGBS concrete ad its applications in seismic resistant design	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	**500,000**	2 years	Smt. SARANYA P Research Scholar, CED (Principal Investigator) Dr.A.P. Shashikala & Dr. Praveen Nagarajan (Co-Pis) Professor	CED
2016-2017							
136	NITC/DEAN (R&C)/KSCSTE/SB/ CHED/2017 (136)	Simultaneous Removal of Orgnic and Inorganic Pollutants from Textile Wastewater Effluents using Bio-Electrochemical Cell	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	**1,440,000**	2 years	Dr.S.Bhuvaneshwary Associate Professor	CHED

135	NITC/DEAN (R&C)/KSCSTE/RGK/ SOBT/2017(135)	Micro RNA-9 Regulation of Neuroregeneration: A potential Therapeutic Stragety for Ischemic Stroke	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	**1,395,000**	3 years	Dr. Rajanikant G. K. Professor	BSED
134	NITC/DEAN (R&C)/SERB(DST)/ CL/CHEMISTRY/134/2016-17.	Design, Synthesis and Evaluation of Solid-Emissive Far Red-Near IR Fluorophores	Science & Engineering Research Board (SERB)	**3,999,600**	3 years	Dr. Lakshmi C. Professor	CHY
133	NITC/DEAN (R&C)/133/KSCSTE/ SRS/MKRV/PHY/2017	A multi-wavelength integrating nephelometer for characterizing tropospheric aerosol	Kerala State Council for Science, Technology and Environment (KSCSTE)	**262,500**	3 years	Dr. M. K. Ravi Varma Professor	PHY
132	NITC/DEAN (R&C)/SERB(DST)/ PP&S.De/CHEMISTRY/2016-17	Naked Carbon as a Bridging Ligand in Bimetallic Ruthenium Complexes - A Theoretical Study on the Formation, Stability, Bonding and Reactivity	Science & Engineering Research Board (SERB)	**3,400,817**	3 years	Dr. Parameswaran P Professor	CHY
131	NITC/DEAN (R&C)/PDF/SERB/RA-NS/SNST/2016.	National Post-Doctoral Fellowship	Science & Engineering Research Board (SERB)	**1,920,000**	2 years	Dr. ROBIN AUGUSTINE (Post Doctoral Fellow) Dr. N. Sandhyarani, Professor (Mentor)	MSED
130	NITC/DEAN (R&C)/DST/WOS-A/ RT-NS/SNST/2016	Synthesis, Characterization and Application of Novel Magnetically Recoverable Functionalized Nano-catalysts for various Organic Transformations	Department of Science & Technology (Science and Engtineering Research Council)	**3,300,000**	3 years	Dr. Ramani Thekkathu (PI) Dr. N. Sandhyarani, Assoc. Professor (Mentor)	MSED

129	NITC/DEAN(R&C)/DST/SERB/CA/ CHEMISTYR/2016	High Valent Trans-mettalloporphyrins with Glycosidic Linkages:Synthesis, Photophysical, Electrochemical studies, Cellular Targetting and Bio-imaging Applications	Science & Engineering Research Board (SERB)	**4,400,000**	3 Years	PI: Dr. C. Arunkumar, A.P, Chemistry Co-PI: Dr. K. Rathinasamy, A.P. SoBT	CHY
128	NITC/DEAN (R&C)/DRDO/CVRDE /SV/SNST/2016	Development of Nano Lubricant for Diesel Engines	Defence Research & Development Organization (DRDO)	**3,939,000**	2.5 years	Dr. Sajith V Professor	MSED
127	NITC/DEAN (R&C)/CPRI/AS /EED/2016	Development of Solid State Transormer as a Wind Power Interfacing Device	Central Power Research Instituite	**2,800,000**	2 years	Dr.S.Ashok Professor	EED
125	NITC/DEAN (R&C)/INSPIRE-FA / MMM/CHEMISTRY/2016	INSPIRE Faculty Scheme: Nanomaterial-Polymer Compsites for Printable Electronics, Sensors and also for Energy related applications	Department of Science and Technology	**5,170,546**	5 years	INSPIRE FACULTY: Dr. Minimol Menamparambath Co-ordinating Faculty: Dr. Sujith A, Asst. Professor	CHY
124	NITC/DEAN (R&C)/DST-INSPIRE-FS/SNV/SNST/2016	INSPIRE Faculty Scheme: Project entitled: "Stimuli Responsive Microfluidics	Department of Science and Technology	**5,228,801**	5 years	INSPIRE FACULTY: Dr. Subramanyan Namboodiri Varanakkottu Co-ordinating Faculty: Dr. Soney Varghese, Professor	MSED
123	NITC/DEAN (R&C)/KSCSTE/ETP /SA/EED/2016	Development of Smart Controlelr for Switched Reluctance Motor	Kerala State Council for Science, Technology and Environment (KSCSTE),	**1,688,040**	3 years	Dr.S.Ashok Professor	EED

122	NITC/DEAN (R&C)/NTPC/NETRA/ VS/SNST/2016	Consultancy Project: Development of stable nanofluids for heat exchanger for improved cooling in thermal power plants	National Thermal Power Corporation Limited	**5,650,000**	2.5 years	Dr. Sajith. V, Professor	MSED
2015-2016							
121	NITC/DEAN (R&C)/KSCSTE /SC/CED/2016	Strength Improvement of Locally available soft clays in construction of highways using lime-enzymatic formulations	Kerala State Council for Science, Technology and Environment (KSCSTE).	**1,207,400**	2 years	Dr. S. Chandrakaran Professor	CED
120	NITC/DEAN (R&C)/DST/FIST/ MED/2016	To Strengthen the Post- Graduate teaching & research facillities in the Department of Mechanical Engineering. (i) Optical Profiler (ii) Tribo indenter (iii) High Speed Camera (iv) Thermal Imager	Department of Science and Technology	**25,100,000**	5 years	Dr. Jose Mathew Professor	MED
118	NITC/DEAN (R&C)/KSCSTE/SV/ SNST/2015	Development of Advanced Fiber Reinforced Polymer Nanocomposites for Aircraft Structure Application	Kerala State Council for Science, Technology and Environment (KSCSTE).	**1,507,675**	3 years	Dr. Soney Varghese Professor	MSED
117	NITC/DEAN (R&C)/RAA/AS /DCH/2015	Government of India Scheme -Rashtriaya Avishkar Abhiyan **(RAA)**				Dr.A.Sujith Professor	CHY

116	NITC/DEAN (R&C)/DER&IPR /DRDO/SA/EED/2015	Development of cost effective 3-Axis intellisat platform system	Diroctrate of Extramural Research & Intellectual Property Rights (ER&IPR)- Defence Research & Development Organisation (DRDO)	**3,700,000**	3 years	Dr.S.Ashok Professor	EED
115	NITC/DEAN (R&C)/KSCSTE/NS /CHEMI.ENGG/2015	Investigation over the experimental and mathematical modelling of aerosols in the Kozhikode District	Kerala State Council for Science, Technology and Environment (KSCSTE),	**1,521,600**	3 years	PI:- Dr. N. Selvaraju (Assistant Professor) Dr. Lily Alen Varghese (Incharge) (Associate Professor)	CHED
114	NITC/DEAN (R&C)/KSCSTE/AS /SOBT/2015	Development of recombinant sphingomonas paucimobilis for gellan gum production: Characterization and application of recombinant gellan gum in nanoparticles based drug delivery system	Kerala State Council for Science, Technology and Environment (KSCSTE),	**2,425,600**	3 years	Dr. A. Santhiagu Professor	BSED
113	NITC/DEAN (R&C)/INSPIRE-FS/ AP/CED/2015	INSPIRE Faculty Scheme	Department of Science and Technology	**3,500,000**	5 Years	INSPIRE FACULTY: Ms. ATHIRA P Coordinating Faculty: Dr. Santhosh G. Thampi Professor	CED

112	NITC/DEAN (R&C)/KSCSTE/SRS /NS/SNST/2015	Synthesis of Novel Electrocatalytic Nanoparticles and Nanocomposites for fuel Cell Applications	Kerala State Council for Science, Technology and Environment (KSCSTE),	**3,140,000**	3 years	Dr. N. Sandhyarani Professor	MSED
111	NITC/DEAN(R&C)/VISVESVARAYA Ph.D SCHEME/2015	Visvesvaraya Ph.D. Scheme for Electronics and IT	Digital India Corporation	**16,715,000**			
110	NITC/DEAN(R&C)/CDAC-R&D/ NaMPET-II/SA/EED/2015	Security Assessment of Microgrids in isolated and in grid connected mode	Centre for Development of Advanced Computing (CDAC)	**1,500,000**	15 monts	Dr.S.Ashok Professor	EED
109	NITC/DEAN (R&C)/DIC/IISc/2015	For Implimentation of Scheme National Initiative For Setting Up of Design Innvation Centres,Open Design School & National Design Innovation Network	MHRD Through CPDM,Indian Institute of Science	**7,500,000**	5 years	Dr.P K Rajendrakumar	MED
108	NITC/DEAN (R&C)/SMDP-C2SD/DeitY/2015	Special Manpower Development Chip to System Design (SNMDP-C2SD)	Department of Electronics and information Technology	**7,925,000**	5 years	Dr. Rama Komaragiri Dr. Dhanraj K J (Now) Associate Professor	ECED
2015-2016							
107	NITC/DEAN (R&C)/KSCSTE /ETP/AS/MED/2015-16	Production of Bio diesel from Chlorella Vulgaris (Micro Algae), Salvinia Molesta (Fresh Waer Weed) and Investigation on its use in single Cylinder diesel engine	Kerala State Council for Science, Technology and Environment (KSCSTE),	**1,096,905**	3 years	Dr. A. Shaija professor	MED

106	NITC/DEAN (R&C)/KSCSTE/ TDAP/LVG-RM/MED/2015	Development of a Hybrid Electrochemical Discharge Machine and its Pe rformance Analysis	Kerala State Council for Science, Technology and Environment (KSCSTE),	**700,000**	1 years	PI- Shri. Ladeesh V G Research Scholar, MED Project Co-ordinator - Dr. R. MANU, Associate Professor, MED	MED
105	NITC/DEAN (R&C)/CDAC/ NaMPET/Phase-II/AS/EED/2015	CDAC Short Term Course on "Power Electronics for Grid Connected Renewable Energy Systems"	Centre for Development of Advanced Computing (CDAC)	**290,000**		Dr.S.Ashok Professor	EED
104	NITC/DEAN (R&C)/KSCSTE/ETP /NS/CHEMIENG/2015	Investigation over the Experimental and Mathematical Modelling of Novel Plant Based Biosorbents for the Sequestration of Hexavalent Chorimum	Kerala State Council for Science, Technology and Environment (KSCSTE),	**564,200**	2 years	Dr.N.Selvaraju Dr. V. Sivasubramanian Professor	CHED
103	NITC/DEAN (R&C)/KSCSTE /SRSPS/KC/2014.	Enhancement of third order optical nonlisnearity in photonic crystal cavituy for optical switching	Kerala State Council for Science, Technology and Environment (KSCSTE),	**2,075,000**	3 years	Dr.K. Chandrashekharan Professor	PHY
102	NITC/DEAN(R&C)/SERB/DST/T JS/MED/2014	Desingand Fabrication of anechoic test facility and characterization of acoustic emmissions from airfoils in flow field	Science & Engineering Research Board (SERB)	**2,254,000**	3 years	Dr. T. J. Sarvoththama Jothi Associate Professor	MED
101	NITC/DEAN (R&C)/DST-SERB/KR /SOBT/2014	charaterizing the interactions of chlorpromazine with the mitotic kinesin Eg5 and Tubulin: Implications in Cancer chemotherapy	Science & Engineering Research Board (SERB)	**3,808,068**	3 years	Dr. Rathinasamy K. Professor	BSED

100	NITC/DEAN (R&C)/KSCSTE /VSR/PHY/2014	Development of organic solar cells based on transition metal oxide anode buffer layers	Kerala State Council for Science, Technology and Environment (KSCSTE)	**2,875,000**	3 years	Dr. Sivaji Reddy Vari Associate Professor	PHY
99	NITC/DEAN (R&C)/SERB(DST)/ CSK/PHYSICS/2014	Investigation of optical nonlinearity by defect state in one dimensional photonic crystals	Science & Engineering Research Board (SERB)	**2,997,672**	3 years	Dr.K. Chandrashekharan Professor	PHY
98	NITC/DEAN (R&C)/KSCSTE/ VMP/MED/2014	Development and analysis of model for green operations in supply chain management	Kerala State Council for Science Technology and Environment	**929,940**	2 years	Dr.V.Madhusudhanan Pillai, Professor	MED
2013-2014							
97	NITC/DEAN (R&C)/CSIR/ERD /NS/SNST/2013-14	Ultrasensitive, Rapid and Low Cost Detection of Cancer Biomarkers	Council for Scientific and Industrial Research	**600,000**	2 years	Dr. N. Sandhyarani Professor	MSED
96	NITC/DEAN(R&C)/DST/AAA/P HY/ 2013	High energy density photochemical fuels based on nanomaterial hybrids	Department of Science and Technology	**4,425,000**	3 years	Dr. Aji A. Anappara Professor	PHY
95	NITC/DEAN(R&C)/DST/SERB/A AA/PHY/2013	Transparent, flexible and conducting electrodes based on graphene-nanometal hybrids	Science & Engineering Research Board (SERB)	**1,110,000**	3 years	Dr. Aji A. Anappara Professor	PHY
94	NITC/DEAN(R&C)/DST/SERB/S V/CHEMISTRY/2013	Ruthenium(II), Osmium(II) and Gold(III) alkaloids: Active targets for DNA intercalation interactions	Science & Engineering Research Board (SERB)	**2,600,000**	3 years	Dr. Suni Vasudevan Associate Professor	CHY

93	NITC/DEAN (R&C)KSCSTE/NJ-NS/ 2013	Flexible Nanomaterial Doped Polymer Dispersed Liquie (Crystal (PDIC) Devices for Switchable window Applications	Kerala State Council for Science, Technology and Environment (KSCSTE),	**1,596,000**	3 years	Smt. NIMMY JOHN V (Principal Investigator) & Dr. N. Sandhyarani , Professor (Mentor)	MSED
92	NITC/DEAN (R&C)/ESD/DPP /ECED/2013	Design and Implementation of Secure Communication System for Reduced Complexity	Department of Electronics and information Technology (DeitY)	**3,888,000**	2 years	Dr.Deepthi P P Professor	ECED
91	NITC/DEAN(R&C)/DBT/RGK/SOBT/2013	Inhibition of mitochondrial Dynamin related protein-1 activity confers neuroprotection against ischemia	Department of Biotechnology (DBT)	**3,514,000**	3 years	Dr. Rajanikant G. K. Professor	BSED
90	NITC/DEAN(R&C)/KSCSTE/RGK /SOBT/2013	Comprehensive Computational Analysis of Anti-diabetic Phytotherapeutics of Indian Origin	Kerala State Council for Science, Technology and Environment (KSCSTE),	**1,442,000**	2 years	Dr. Rajanikant G. K. Professor	BSED
89	NITC/DEAN(R&C)/IFA/DST/ S.De/2013	Inspire Faculty Award (Photo-switchable K+ ion Channel Blockers: A computational Quantum Mechanical Investigation of the Blocking Action and Design of Efficient Channel Blockers)	Department of Science and Technology	**3,500,000**	5 years	Dr.Susmitha De Principal Investigator Chemistry (INSPIRE FACULTY)	CHY
88	DEAN(R&C)/SERB/DST/CA/CHEMISTRY/2013	Rational Design and Syntheses of Metalloporphyrin- Lanthanoid Hybrid Materials for Photophysical and DNA Binding/Cleavage Studies	Science & Engineering Research Board (SERB)	**4,366,000**	4 years	Dr.C. Arun Kumar	CHY

87	NITC/DEAN(R&C)/BRNS/PP/PHYSICS/2013-14	Development of low cost elastomeric fullerene derivatives using electron and gamma irradiation for organic electronic application	Board of Research in Nuclear Science (BRNS)	**1,930,800**	2 years	Dr.P Predeep Professor	PHY
86	NITC/DEAN(R&C)/MHRD/DHE/MVLRA/CED/2013-14	Release of grant to 16 Institutes under the new Plan of Establishment of 50 Centres of Excellence for Training and Research in Frontier Areas of Science & Technology for the Year 2013-14	Ministry of Human Resource Development (MHRD)	**20,000,000**		Dr.M.V.L.R.Anjaneyulu Professor	CED
85	NITC/DEAN(R&C)/SERB/NS/CHED/2013-14	Experimental and Deterministic model studies in regeneration of microbial biosorbents after heavy metal desorption	Science & Engineering Research Board (SERB)	**882,000**	3 years	Dr. N.Selvaraju	CHED
84	NITC/DEAN(R&C)/SERB(DST)/VSR/PHYSICS/2013-14	Development of bistable memory devices based on organic semiconductors	Science & Engineering Research Board (SERB)	**2,184,000**	3 years	Dr. Sivaji Reddy Vari Associate Professor	PHY
83	NITC/DEAN(R&C)/ERD/AS/CSIR /2013	Poly (3, 4ethylendioxthiophene) / Poly(methyl methacrylate) core-shell nanospheres for the fabrication of transparent and conductive thin films	Council of Scientific and Industrial Research	**1,164,000**	3 years	Dr.A.Sujith Professor	CHY
82	NITC/DEAN(R&C)/HSMI/HUDCO/R&D/PPA/ARC-2013	Development of a model framework for land use based Estimation and Prediction of solid waste Generation in small/medium scale towns in India	Human Settlement Management Institute	**2,016,000**	18 Months	Dr.P P Anilkumar Professor	DAP
81	NITC/DEAN(R&C)/KSCSTE/SGT/CED/2013	Investigation on absorption of Fluoride from water using Nanomaterials	Kerala State Cpuncil for Science,Technology and Environment	**1,464,000**	2 years	Dr. Santosh G. Thampi Professor	CED
2012-2013							
80	NITC/DEAN(R&C)/MNRE/NTD/CM/MED/2013	Investigation on bio-hydrogen production by Thermo-chemical method in fluidized bed gasifier under catalytic support and its Utilization	Ministry of New and Renewable Energy	**3,453,450**	30 Month	Dr.Muraleedharan C	MED

79	NITC/DEAN(R&C)/DST/SMK/2013	Antibiotics Removal from Waste Water using membrane Photocatalytic Slurry Reactor System	Science & Engineering Research Board (SERB)	**2,180,000**	3 years	Dr. S. Madhava Kumar (Dr.George K.Varghese, AP,CED incharge in the absence of Dr. SMK)	CED
78	NITC/DEAN(R&C)/DNRD/NRB/AVB/2013	Design and Development of a protocol stack for Under Water Acoustic Sensor Networks	Naval Research Board (NRB)	**3,005,000**	3 years	Dr. A. V. Babu Professor	ECED
77	NITC/DEAN(R&C)/SR/FT/CS-172/2011/2012	Biodegradability enhancement of Low density polyethylene by using bipolymer nano particles	Science & Engineering Research Board (SERB)	**2,520,000**	3 years	Dr.A.Sujith Professor	CHY
76	NITC/DEAN(R&C)/SERB/SR/FTP/ETA-57/2011	Fast Track Scheme for Young Scientist- "Assessment of Effectiveness of NH-47 Bye Passe Road in Coimbatore in Congestion Relief and Level of Service Improvement in traffic flow on NH-47 in Coimbatore city using Microscopic Simulation Techniques	Science & Engineering Research Board (SERB)	**624,000**	3 years	Dr. K. Krishnamurthy Professor	CED
75	NITC/DEAN(R&C)/CSIR/AK/SOBT /2012	A genitics Approach towards Understanding the function of chaperonin CCT Complex using Yeast Saccharomyces as a Model System	Council of Scientific and Industrial Research	**1,200,000**	3 years	Dr. Anaul Kabir Professor	BSED
74	NITC/DEAN(R&C)/KSCSTE/PP/PHYSICS/2012	Development of low cost polymer electrolyte from cis 1,4, polysoprene for energy storage applications	Kerala State Council for Science Technology and Environment	**1,570,000**	2 years	Dr.P Predeep Professor	PHY
73	NITC/DEAN(R&C)/KSCSTE/SA/CHEMISTRY/2012	Low Density Polyethylene/nanochitosan biodegradable films for food packaging applications	Kerala State Council for Science Technology and Environment	**1,160,000**	2 years	Dr.A.Sujith Professor	CHY

72	NITC/DEAN(R&C)/DBT/RGK/SBT/ 2012	Design and in Vitro Evaluation of the Neuro Protective effects of HOF-Prolyl Hydroxylase Inhabitors against Ishemic Stroke	Ministry Of Science and Technology, Department of Biotechnology	**5,019,000**	3 years	Dr. Rajanikant G. K. Professor	BSED
71	NITC/DEAN(R&C)/DST/SDP/EED/2012	Nonlinear Analysis of EEG signals of patients with Alzheimer's disease	Science & Engineering Research Board (SERB)	**1,795,000**	3 years	Ms. Subha D P Associate Professor	EED
70	NITC/DEAN (R&C)/SR/FT/CS-121/PP/CH/2012	Design of Uranium Based Catalyst for Activation and Functionalization: A Computational Quantum Mechanical Study	Science & Engineering Research Board (SERB)	**2,550,000**	3 years	Dr. Parameswaran P Professor	CHY
69	NITC/DEAN(R&C)/SR/FT/CS-42/SDe/2012	A theoretical study on the enzymatic catalysis by methane mono-oxygenase: Designing of biomimetic catalysis for the conversion of methane to methanol	Science & Engineering Research Board (SERB)	**2,550,000**	3 years	Dr.Susmitha De (Principal Investigator) Dr. Parameswaran Perofessor Coordinator	CHY
68	NITC/DEAN(R&C)DST/GU/DCH/2012	Tuneble Hierarchial Zeolites using Polymer Maro templates for the chemical synthesis	Science & Engineering Research Board (SERB)	**5,063,000**	3 years	Dr. G. Unnikrishnan Professor	CHY
67	NITC/DEAN(R&C)/FTP/TKS/EED /2012	Development of Composite Dielectric Materials for high energy storage (super-capacitor) applications	Science & Engineering Research Board (SERB)	**2,390,000**	3 years	Dr. Sindhu T. K. Professor	EED
66	NITC/DEAN(R&C)/C.A.K/SR/FT/CS-25-2011	Novel functionalized Porphyrinic coordination Arrays, Polymers and Frameworks: Synthesis and properties	Science & Engineering Research Board (SERB)	**2,180,000**	3 years	Dr.C.Arun Kumar	CHY

65	NITC/DEAN(C&SR)/DST/WSS/ SSS/ DCH/2012	Novel triazole bridged metalloporphyrins formed via click chemistry: Comparative DNA binding and cleavage studies	Department of Science and Technology (Women Scientist Scheme-A)	**2,360,000**	3 years	Dr.S Sujatha (Dr.Arunkumar C, Co-ordinator)	CHY
64	NITC/DEAN(R&C)/KSCSTE/SC/ CED /2012	Experimental investigations for potential use of coir pith in making value added products	Kerala State Council for Science Technology and Environment	**379,000**	2 years	Dr. S. Chandrakaran Professor	CED
63	NITC/DEAN(R&C)/KSCSTE/IPB/ RAN/SOBT/2012	Transcript Profiling of Differentially Expressed Gene(s) involved in the downstream steps leading to Artemisinin Biosynthesis on GA3 Induction	Kerala State Council for Science Technology and Environment	**1,150,000**	3 years	Dr.R.Aswati Nair	BSED
62	NITC/DEAN(R&C)/KSCSTE/ETP /SA/ EED/2012	Development of Intelligent Robot for fault Diagnosis of Power lines	Kerala State Council for Science Technology and Environment	**1,100,000**	3 years	Dr.S.Ashok Professor	EED
61	NITC/DEAN(R&C)/ICMR/GKR/ SOBT/2012	Oleamide as Novel Neuro Protectant Against Ischemic Stroke	Indian Council of Medical Research (ICMR)	**1,026,536**	3 years	Dr. Rajanikant G. K. Professor	BSED
60	NITC/DEAN(R&C)/CSIR/EMR/R C/PHYSICS/2012	Electron C Structure Studies of Adsorption of Unsaturated Hydrocarbons on Metal Catalysts	Council of Scientific and Industrial Research	**1,091,000**	3 years	Dr.Raghu Chatanathodi Professor	PHY

2011-2012							
59	NITC/DEAN(R&C)/DRD/VMP/ MED/ 2011	Productivity Monitoring and wage Analysis Tool for NREG Works in Kerala	Ministry of Rural Development	**1,678,000**	3 year	Dr.V.Madhusudhanan Pillai, Professor	MED
58	NITC/DEAN (R&C)/DST/CSI /PDF/SK/2011	PUFA Therapy ameliorates congnitive impairment and miochodrial dysfunction in caenohabdities elegance model of parkinson disease	Department of Science and Technology	**1,248,000**	2 years	Dr.Shashikumar (PI) Dr. Rajanikant G K (Guide) Professor	BSED
57	NITC/DEAN(R&C)MHRD/TRR/ MED/ 2011	Production Management System	Ministry of Human Resource Development (MHRD)	**400,000**	1 years	Dr.T.Radha Ramanan Professor	MED
56	NITC/DEAN(C&SR)DST/CL/ CHEMISTRY/2011	Development of Pro-fluorophore scaffolds to probe peptide aggregation and conformational transitions	Department of Science and Technology	**2,070,000**	3 years	Dr. Lakshmi C. Professor	CHY
55	NITC/DEAN(C&SR)/DST/MKRV / PHYSICS/2011	Cavity enhanced absorption spectroscopy for trace gas pollutant monitoring	Department of Science and Technology	**2,426,138**	3 years	Dr. M. K. Ravi Varma Professor	PHY
54	NITC/DEAN(C&SR)/KSCSTE/PN / CED/2011	Seismic evaluation of existing multi-storey building in Kozhikode District	Kerala State Council for Science Technology and Environment	**999,000**	3 years	Dr.Praveen Nagarajan Professor	CED
53	NITC/DEAN(C&SR)/KSCSTE/ AC/CED/2011	Development of Risk Management Tool in Green Construction Sites	Kerala State Council for Science Technology and Environment	**880,000**	3 years	Dr.Arun C	CED

52	NITC/DEAN(C&SR)/DBT/BIF-BTBI/RGK/SOBT/2011	Establishment of Bioinformatics Infrastructure Facility for Biology Teaching through Bioinformatics	Ministry Of Science and Technology, Department of Biotechnology	**2,000,000**	1 year	Dr. Rajanikant G. K. Professor	BSED
51	NITC/DEAN(C&SR)/DBT/FGK /SOBT/2011	Combination therapy in ischemic stroke: Evaluation of Synergistic Neuro protective effects of Paroxetine and Everolimus	Ministry Of Science and Technology, Department of Biotechnology	**1,392,000**	3 years	Dr. Rajanikant G. K. Professor	BSED
50	NITC/DEAN(C&SR)/CB/MSME/ SLTPPRCG/MVLRA/CED/ 2011	Study of Long Term Performance of Pavement Reinforced with Coir Geotextiles	Central Coir Research Institute	**25,201,000**	3 years	Dr.M.V.L.R.Anjaneyulu Professor	CED
49	NITC/DEAN(C&SR)/CB/MSME/ UCPASGAS/MVLRA/CED/ 2011.	Use of Coir Pith for Airport Soft Ground Arrester System	Central Coir Research Institute	**11,312,400**	3 years	Dr.M.V.L.R.Anjaneyulu Professor	CED
2010-2011							
48	NITC/DEAN(C&SR)/DRDO/ DER&IPR/BTR/MED/2011	Design and Development of Electro-magnetically Driven Miniature Cryo-cooler for IR Sensor Array – Phase I	Defence Research & Development Organization (DRDO)	**2,750,000**	2.5 years	Dr. Biju T. Kuzhiveli Professor	MED
47	NITC/DEAN(C&SR)/DBT/KR /SOBT/2011	Identification and Characterisation of Phytochemicals from Indian Medicinal Herbs for their Potential Application in Cancer Chemotherapy	Ministry Of Science and Technology, Department of Biotechnology	**1,956,000**	2 years	Dr.K.Rathinasamy Professor	BSED

46	NITC/DEAN(C&SR)/DRDO/DER IPR/EPC/EED/2010	Investigation of Distributed Generation System Integration Strategies on a Laboratory Scale Microgrid	Defence Research & Development Organization (DRDO)	**700,000**	3 years	Dr.Elizabeth.P.Cheriyan	EED
44	NITC/DEAN(C&SR)/COEUT/IIT M/MOUD/MVLRA/CED/2010-	Development of a Tool Box for Evaluation and Identification of Urban Road Safety Improvement Measures	Ministry Of Urban Development	**1,500,975**	2 years	Dr.M.V.L.R.Anjaneyulu Professor	CED
43	NITC/DEAN(C&SR)/COEIUT/IIT M/MOUD/MVLRA/CED/2010-1	Development of Activity Based Models for Forecasting of Travel Demand	Ministry Of Urban Development	**999,600**	2 years	Dr.M.V.L.R.Anjaneyulu Professor	CED
42	NITC/DEAN(C&SR)DARO/DRD O/ARDB/SPS/SNST/2010	DSMC Simulation of solid rocket exhaust Plums	Diroctrate of Aeronautics /DRDO Aeronautics R&D Board	**1,831,000**	3 years	Dr.Sarith.P.Sathian, & Dr.V.Sajith, Professor	MSED
40	NITC/DEAN (C&SR)/DST/FT/ RAN/SOBT/2010	Molecular Cloning and Characterization of Terpene Synthase involved in Zerumbone Biosynthesis from Zingiber Zerumber	Department of Science and Technology	**1,582,000**	3 years	Dr.R.Aswathi Nair	BSED
39	NITC/DEAN(C&SR)/TSL/CONS ULTANCY /SNST/2010	Consultancy Work From Tata Steel Ltd-Enhancement of coolant using nanoparticles for application at Tata Steel	Tata Steel Ltd	**2,000,000**	2 years	Dr.Shijo Thomas Associate Professor	MSED
38	NITC/DEAN(C&SR)/DST/AK/SO BT/2010	Regulation of L-sorbose Utilization in Human Fungal Pathogen Candida Albicans	Department of Science & Technology	**3,232,200**	3 years	Dr. Anaul Kabir Professor	BSED
37	NITC/DEAN (C&SR)/DBT/RAN /SOBT/2010	Molecular and Functional Characterization of Putative ZzRI Resistance gene from Zingiber Zerumbet, A Wild Relative of Ginger	Ministry Of Science and Technology, Department of Biotechnology	**1,621,000**	3 years	Dr.R.Aswati Nair	BSED

36	NITC/DEAN (C&SR)/HPCL /VS&CBS/SNST/2010	Investigation on fuels catalytic nano particles additives	Hindustan Petroleum Corporation Limited	**12,000,000**	3 years	Dr.C.B.Sobhan,Professor & Dr. Sajith.V Professor	MSED
2009-2010							
35	NITC/DEAN (C&SR)/UGC-DAE/LS/DCH/2009	Temperature Dependent Optical Switch from Organized assemblies	UGC-DAE Consortium for Scientific Research	**750,000**	3 years	Dr.Lisa Sreejith Professor	CHY
34	NITC/DEAN (C&SR)/DST /FTS/AS/SOBT/09	DST Fast Track Project "Development of an Extractive Fermentation Process for Enhanced Alkaline Phosphates Production by Recombinant Bacillus Licheniformis in Aqueous Two Phase System	Department of Science and Technology	**1,793,400**	3 years	Dr.A.Santhiagu Professor	BSED
33	NITC/DEAN(C&SR)/ARDB/CBS/ 09	Design Development and Optimization of Miniature and Micro Heat Pipes for Thermal Management of Avionic Devices	Diroctrate of Aeronautics /DRDO Aeronautics R&D Board	**1,076,000**	3 years	Dr.C.B.Sobhan Professor	MSED
32	NITC/DEAN(C&SR)/BRNS/AS/ DCH/2009	Synthesis and Grafting of Thermoresponsive Hydrogels on Nano porous Polymer Membranes by Electron Beam Irradiation for Implantable Drug Delivery Systems	Board of Research in Nuclear Science (BRNS)	**1,610,650**	3 years	Dr.A.Sujith Professor	CHY
31	NITC/DEAN(C&SR)KSCSTE/TPS / CED/2009	Simplified Models for Torsional Mode Prediction of Tall Buildings Under Earthquake	Kerala State Council for Science Technology and Environment	**1,190,000**	2 years	Dr.T.P.Somasundaran	CED
30	NITC/DEAN(C&SR) /AHADS /THDP/PPA/ARC/09	Implementation of Total Habitat Development Programme of the Three Oorus in Attapady	Attapady Hills Area Development Society (AHADS)			Dr.P P Anilkumar Professor	DAP

29	NITC/DEAN (C&SR)/NBHM/ MSS/DM/09	Clustering using Fuzzy Graphics	Department of tomic Energy	**309,500**	3 years	Dr.M.S.Sunitha Professor	MAT
28	NITC/DEAN (C&SR)/KSCSTE/ SRS/DCH/LS/2009	Mesophase Formation and Characterization of Organised Assemblies	Kerala State Council for Science Technology and Environment	**992,200**	2 years	Dr.Lisa Sreejith Professor	CHY
27	NITC/DEAN(C&SR)/DST/FTP/S B /CHE/2009.	Treatment of Effluent Using Biomembrane Techniques	Department of Science and Technology	**1,695,600**	3 years	Dr.S.Bhuvaneshwary Associate Professor	CHED
26	NITC/DEAN(C&SR)/DST/ DCH/TF/09	Development of Chitosen Reinforced Polymer nanocomposites	Department of Science and Technology	**1,992,000**	3 years	Dr.Tania Francis	CHY
25	NITC/DEAN(C&SR)/CONS/MM &TT/AKK/ARC/09	Renovation of Miskal Mosque & Tali Temple at Kozhikode	Oil and Natural Gas coperate Ltd-ONGC			Dr.A.K.Kasthurba Professor	DAP
24	NITC/DEAN (C&SR)/DST /FIST/EED/09	To Strengthen the Research and post graduate in area of power quality and II Energy Research in EED	Department of Science and Technology	**8,400,000**	5 years	Dr.S.Ashok Professor	EED
2005-2008							
23	NITC/DEAN(C&SR)/UC/MPS /MOU/ARC/2008	Consultancy Work for the construction of Multipurpose Building for University of Calicut	Univesity of Calicut			Dr.Anilkumar	DAP
22	NITC/DEAN (C&SR)/DBT /NS/SNST/08	Multifunctional plasmonic nanoparticles and nanocomposites for targeted drug delivery: synthesis, evaluation and toxicological studies	Department of Biotechnology (DBT)	**4,518,000**	3 years	Dr. N. Sandhyarani Professor	MSED

21	NITC/DEAN (C&SR)/AICTE/ NCP/RS/MED/2008	Development of Tools and Techniques for Modifying and Analysis of World Class Manufacturing System	All india Council for Technical Education	**2,550,000**	3 Month	Dr. R.Sreedharan	MED
20	NITC/DEAN (C&SR)/DST/ MVLRA/CED/06	Development of an Interoperable Spatial Database of Road Network for Calicut District	Department of Science and technology	**1,681,000**	2 years	Dr.M.V.L.R.Anjaneyulu Professor	CED
19	NITC/DEAN (C&SR)/A1/2611/ISEA Project/2006-2007	Information Security Education and awareness project	Ministry of Cmmunication and Infirmation Technology , Department of Information Technology	**1,568,014**	2 years	Dr. Vineeth Paleri	CSED
18	NITC/DEAN(C&SR)/DST/NS /SNST/08	Enhancement of the sensitivity of peptide nanotube based biosensors using gold nanoparticle	Department of Science and technology	**1,914,000**	3 years	Dr. N. Sandhyarani Professor	MSED
17	NITC/DEAN (C&SR)/UGC-DAE/ PP/DSH/07	Highly conducting transparent polymer film for optoelectronic and photonic application by laser ablation technique	UGC-DAE Consortium for Scientific Research	**68,447**	2 years	Dr.P Predeep Professor	PHY
16	NITC/DEAN (C&SR)/KSCSTE/SC/CED/08	Studies on ground water pollution by heavy metal discharge to soil and its Remediation Technologies	Kerala State Council for Science Technology and Environment	**859,100**	2 years	Dr. S. Chandrakaran Professor	CED
15	DeAN(R&C)/SERB/DST/CA/ CHEMISTRY/2013	Development of Nanocomposites from Ethylene from Ethylene Vinyl Acetate, Chitin and Fibres	UK India-Education &Research Initiative	**1,473,778**		Dr.Unnikrishnan G Professor	CHY

14	NITC/DEAN (C&SR)/DST/FIST /CSED/08	Fund for improvement of S&T infrastructure in universities and higher educational institution (Sanctioned by DST(SERC Division) -Strengthening the Research Facilities in Network and Security Area	Department of Science and Technology	**3,360,000**	5 years	Dr. M. P. Sebastian - (Sri. Abdul Nazeer)	CSED
13	NITC/DEAN (C&SR)/KSCSTE /IPQID/SA/EED/2008	Investigation on power Quality Issues of Drivers	Kerala State Council for Science Technology and Environment	**990,000**	3 years	Dr.S.Ashok Professor	EED
12	NITC/DEAN(C&SR)/DST/FIST/H OD/ECE/2007	To Strengthen the Post Graduate Teaching And Research in the Department	Department of Science and Technology	**4,370,000**	5 years	Dr.Lillykutty Jacob Professor	ECED
11	NITC/DEAN (C&SR)/ KSCSTE/ ETP/ IPCMBM/MVLRA/ CED/07	Investigation of Performance Characteristic of Modified Bituminous Mixtures	Kerala State Council for Science Technology and Environment	**1,020,800**	3 years	Dr.M.V.L.R.Anjaneyulu Professor	CED
10	NITC/DEAN (C&SR)/IUAC Project/PP/DSH/2007	Thermo-responsive ion track membrane from elastomers for drug release applications	Inter University Accelerator Centre	**270,000**	3 years	Dr.P Predeep Professor	PHY
9	NITC/DEAN(C&SR)/DST/PP/ DSH/08	Transparent Conducting Polymer Composite Films for Electrode Application in Opto-electronic & Photonics Devices	Department of Science and Technology	**4,900,000**	3 years	Dr.P Predeep Professor	PHY
8	NITC/DEAN (C&SR)/BRNS /CBS/2007	An Experimental Investigaton of Convective Heat Transfer in Water Based Nanofluids	Department of Atomic Energy - BRNS Secretariat	**1,999,500**	2 years	Dr.C.B.Sobhan Professor	MSED

7	NITC/DEAN(C&SR)/DST/CWRDM/KS/CED/07	Stable Isotope Facility for Research in Basic and Applied Sciences	Department of Science and Technology	**570,000**	3 years	K. Saseendran	CED
6	NITC/DEAN(C&SR)/DST/KC/DCH/2007	Linear and non-linear optical properties of nano size metal colloids in polymers	Department of Science and Technology	**1,990,005**	3 years	Dr.K. Chandrashekharan Professor	PHY
5	NIT/DEAN(C&SR)/UGC(P)/MAJ / MED/2007	Porosity studies on sand cast alloys using vibration during soldification	University Grants Commission	**1,046,100**	3 years	Dr. M. A. Joseph	MED
4	NITC/DEAN(C&SR)/KSCSTE /APS/CED/2007	Experimental Investigation on use of scrap tyre shreds in place of mineral particles in cement concrete	Kerala State Council for Science Technology and Environment	**994,000**	3 years	Dr. A. P. Shashikala Professor	CED
3	NITC/DEAN(C&SR)/KSCSTE /SGT/CED/2007	Development of attaced media based system for the treatment of domestic and low volume organic rich waste waters using coir geotextiles	Kerala State Council for Science Technology and Environment	**1,045,000**	2 years	Dr. Santhosh G. Tampi Professor	CED
2	NITC/DEAN(C&SR)/SC/CED/06	Standardisation of engineering properties and providing technical data for the Technomarketing of Coir Geotextiles	Centre for Development of Coir Technology	**1,200,000**	2 years	Dr. Chandrakaran	CED
1	NITC/DEAN(C&SR)/SMDP-II/ECED/EE/2005	Special Manpower Development Program for VLSI Design and related Software	Ministry of Information Technology,	**5,900,000**	5 years	Dr. Elizabeth Elias Professor	ECED
	NITC/DEAN(C&SR)/SMDP-II/ECED/EE/2005	Special Manpower Development Program for VLSI Design and related Software	Ministry of Information Technology,				ECED