

File No	Project File No	Name of the Project	Funding Agency	Project Amount	Duration	Principal Investigator	Department
<b>FY-2025-2026</b>							
446	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
445	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
444	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
443	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
442	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
441	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

440	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
439	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
438	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
437	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
436	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
435	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 Fairouz C, Asst. Professor, CED (PI), Dr. Harikrishna M, Asso. Professor, CED (Co-PI), Dr. Nishant M P, Asst. Professor, CED (Co-PI)	CED
434	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
433	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
432	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
431	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

430	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
429	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
428	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
427	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
426	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
425	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
424	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
423	NITC/DEAN(R&C)/2025-26/19/SSSPL/CSSED/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

422	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
421	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
420	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
419	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
418	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
417	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
416	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
415	NITC/DEAN(R&C)/2025-26/11/SPARC/EED/SDP-419	SPARC-GIANT Research Project entitled "MAIHRT- Mathematical AI in Healthcare:	SPARC-GIANT	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
414	NITC/DEAN(R&C)/2025-26/10/ANRF/CED/ANS-418	NIRVAAH-BioLNG: Nurturing Innovation in bi-methanation Route for enhanced Valorization of waste towards Augmented Harvesting of BioLNG	ANRF -PMECRG	3,972,480	3Years	Dr. Abhishek N Srivastava , Assistant Professor	CED
413	NITC/DEAN(R&C)/2025-26/09/ANRF/EED/DS-417	Edge- Computing assisted block-chain based cyber resiliency enhancement of integrated transmission and distribution systems	ANRF -PMECRG	6,462,480	3Years	Dr. Devesh Shukla, Assistant Professor	EED
412	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

411	NITC/DEAN(R&C)/2025-26/07/ANRF/EED/AMPE-415	High-Frequency Design and Implementation of a 1 MHz Dual Active Bridge Converter Using Planar Magnetics	ANRF -PMECRG	5,938,540	3Years	Dr. Ashiq Muhammed P E, Assistant Professor	EED
410	NITC/DEAN (R&C)/2025-26/06/DST/CHED/PR-414	DST Research Project entitled "Development of bench-scale system of integrated Hige-based CO2 capture and conversion to light olefins"	DST	9,805,093	3 Years	Dr. Panneerselvam Ranganathan, Assoc. Professor, CHED (PI)	CHED
409	NITC/DEAN(R&C)/2025-26/05/ANRF/EED/SRM-413	A Multifunctional Cost-Effective On-Board Power Processor with Wired and Wireless Charging for Electric Vehicles	ANRF -PMECRG	7,164,480	3Years	Dr. Soumya Ranjan Meher, Assistant Professor	EED
408	NITC/DEAN(R&C)/2025-26/04/ANRF/MSED/SKCN-412	Development of all carbon microheaters for in situ Scanning Electron Microscopy	ANRF -PMECRG	6,080,222	3Years	Dr. CN Shyam Kumar, Assistant Professor	MSED
407	NITC/DEAN(R&C)/2025-26/03/ANRF/MED/SK-411	Investigation of Ultrasonic Cavitation-Assisted Surface Finishing Process for Additively Manufactured Components	ANRF -PMECRG	5,894,056	3Years	Dr. A V S S H Sraavan Kumar, Assistant Professor	MED
406	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
405	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
<b>FY-2024-2025</b>							
404	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
403	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
402	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
401	NITC/DEAN(R&C)/2024-25/41/ANRF/CED/MS-406	ANRF Research Project entitled "Performance Evaluation of Micro-Structural and Rheological Characteristics of Emulsified Bitumen-Filler Mastic on Cold Bituminous Mixes"	ANRF IRG	4,592,610	3 Year	Dr. M. Sivakumar, Asst. Professor, CED	CED

400	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
399	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
398	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
397	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
396	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
395	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
394	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
393	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
392	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
391	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
390	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

389	.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
388	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
387	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
386	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
385	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
384	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
383	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
382	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
381	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
380	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
379	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

378	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
377	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
376	NITC/DEAN(R&C)/2024-25/16/DRDO-ARDB/MSED/SK-381	Development of Multilayer carbon Metapatterns for High-Performance Broad-band Electromagnetic Shielding Application	DRDO -ARDB	3,133,424	3 years	Dr. Shyam Kumar, Assistant Professor C N,	MSED
375	NITC/DEAN(R&C)/2024-25/15/SPARC-MoE/CSED/JPB-380	Low-Cost GPU and AI-Based Computational Tool-Suite for Cancer Diagnosis and Radiotherapy Treatment	SPARC MoE	7,404,000	2 years	Dr. Jayaraj P B, Associate Professor,	CSED
374	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
	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
373	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
372	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
371	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
370	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
369	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
368	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

367	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 Fairouz C, Asst. Professor, CED(PI), Dr. Yogeshwar V Navandar, Asst. Professor, CED (Co-PI)	CED
366	NITC/DEAN(R&C)/2024-25/07/SERB-CRG/PHY/MS-371	Design and Development of Efficient Triboelectric Nanogenerator Using MXene-SrMnO <sub>3</sub> 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
365	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
364	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
363	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
362	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
361	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
360	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
<b>2023-24</b>							
359	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
358	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

357	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
356	File No:NITC/DEAN(R&C)/2023-24/045/DST-SERB-CRG/MSP-363	Seismic Response Modification Factors (SRMFs) for Special Steel Moment Resisting Frames (SSRMFs) Designed as per Indian Standards".	SERB- CRG	2,770,062	3years	Dr. Muhamed Safeer Pandikkadavath, Assistant Professor	CED
355	File No.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
354	File. No. 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
353	File No. 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
352	File No: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
351	File No: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
350	File No.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
349	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
348	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
347	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
346	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

345	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
344	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
343	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
342	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
341	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
340	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
339	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
338	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
337	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
336	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)
335	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
334	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
333	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

332	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
331	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
330	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
329	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
328	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
327	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
326	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
325	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
324	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
323	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
322	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
321	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

320	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
319	NITC/DEAN (R&C)/2023-24/SERB/TARE/CED/DSV-KRS.	Performance analysis and assessment of Ferro 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
318	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
317	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
316	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 funded R&D Project (NSM scheme)	681,084	3 Years	Dr. Jithin M, Assistant Professor	MED
315	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
314	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
313	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
312	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
311	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**

<b>310</b>	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	<b>1,958,000</b>	2 years	Dr Shijo Thomas Associate Professor	MSED
<b>309</b>	NITC/DEAN(R&C)/2022-23/043/IEEE/ECED/CY-315	2022.16 Summer School on “THz Electronics	IEEE Electron Devices Society, USA	<b>404,350</b>		Dr. Chandan Yadav	ECED
<b>308</b>	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)	<b>1,572,076</b>	3 years	Dr. Seethalakshmi P Assistant Professor	CED
<b>307</b>	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	<b>4,072,000</b>	2 years	Dr. Nasirul Haque Assistant Professor	EED
<b>306</b>	NITC/DEAN (R&C)/2022-23/040/IGSTC-SING/SMSE/SKCN	Small Immediate Need Grand for Fabrication and Testing of low cost in-situ micro tensile tester for scanning electron microscopy	Indo German Science & Technology Centre (IGSTC)	<b>700,000</b>	9 months	Dr. Shyam Kumar C N Assistant Professor	MSED
<b>305</b>	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)	<b>1,623,117</b>	3 years	Dr.Cecil Antony Assistant Professor	BSED
<b>304</b>	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	<b>774,260</b>	5 years	INSPIRE Fellow Ms. Charutha K,  Co-ordinating Faculty: Dr. Chinna ayya Swamy P Asst. Professor	CHY
<b>303</b>	NITC/DEAN (R&C)/2022-23/037/CPRI/EED/VM	Pilot Implementation of Energy Blockchain and P2P Transactive Markets	Central Power Research Institute (CPRI)	<b>1,944,000</b>	2 Years	Dr. Vivek Mohan Assistant Professor	EED
<b>302</b>	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)	<b>1,830,000</b>	3 Years	Dr. Deepak M S, Department of Civil Engineering, BMS Institute of Technology and Management, Bengaluru  Dr. Sajith A S , Professor (Mentor)	CED
<b>301</b>	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)	<b>2,540,230</b>	3 years	Dr. Sujith Kumar C.S Assiatant Professor	MED

300	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
299	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
298	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
297	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
296	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
295	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
294	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 Assosiate Professor	CSED
293	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
292	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
291	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

290	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
289	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
288	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
287	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
286	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
285	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
284	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
283	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
282	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 Professor	MED

281	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
280	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
279	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
278	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
277	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
276	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
275	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
274	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
273	NITC/DEAN (R&C)/2022-23/007/KHRI/CED/JK -279	Development of Ultra- High-Performance Cements (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
272	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
271	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

270	NITC/DEAN(R&C)/2022-23/004/CARS/CHED/FF	Modeling , simulation & Design of Mg/H <sub>2</sub> O seawater batteries using cost effective cathodic materials	Contract for Acquisition of Research Services (CARS)	976,001	1 year	Dr.Fthima Fasmin Assistant Professor	CHED
269	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
268	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
267	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
<b>2021-2022</b>							
266	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 Ti6Al4V	UGC - DAE	45,000	1 year	Dr. Basil Kuriachen Assistant Professor	MED
265	NITC/DEAN(R&C)/DST-FIST/SMSE/2022	FIST program	Department of Science & Technology	21,200,000	5 years	HoD, SMSE	MSED
264	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 Professor Asst.	CHY
263	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
262	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
261	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
260	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

259	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
258	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
257	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
256	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
255	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
254	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
253	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
252	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 Ajour Maurya Assistant Professor	PHY
251	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
250	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
249	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
248	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

247	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
246	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
245	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
244	NITC/DEAN(R&C)/2021-22/023/SERB/MED/TJSJ	Acoustic Emission from a Premixed Flame Propagating in a Tubular Combustor	Science & Engineering Research Board (SERB)	2,332,000	2 years	Dr. T. J. Sarvoththama Jothi Associate Professor	MED
243	NITC/DEAN(R&C)/2021-22/022/SERB/CSSED/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	CSSED
242	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
241	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
240	NITC/DEAN(R&C)/2021-22/019/SERB/CHY/AAV	Chemical synthesis of filled low dimensional CoSb <sub>3</sub> 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
239	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
238	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

237	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
236	NITC/DEAN(R&C)/2021-22/015/SERB/CED/ASTS	Integrated electro-oxidation, electro-reduction and electrocoagulation 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
235	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 ( $\mu$ EDM) 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
234	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
233	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. Dhillshana, Co-ordinating Faculty: Dr. Sunil Mathew, Asst. Professor,	MAT
232	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
231	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
230	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
229	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
228	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

227	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
226	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
225	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
224	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
223	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
222	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
<b>2020-2021</b>							
221	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
220	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
219	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
218	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
217	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

216	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
215	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
214	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
213	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
212	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
211	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
210	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
209	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
208	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
207	NITC/DEAN(R&C)/ANIPL/SDMK/CSSED/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
206	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	Environment Department-Directorate of Environment & Climate Change	1,320,000	2 years	Professor, MSED	CED
205	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

204	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
203	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
202	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
201	NITC/DEAN(R&C) /KSCSTE/ETP/PP/EED/2020	Development of an aternative fluid to transformer mineral oil	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	570,000	2 years	Dr.Preetha P Professor	EED
200	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
199	NITC/DEAN(R&C) /KSED/DE&CC/SCS/MED/2 020	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
198	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
197	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

196	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
195	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
194	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
193	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
192	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
191	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
190	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
<b>2019-2020</b>							
189	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
188	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
187	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
186	NITC/DEAN(R&C)/2019-20/023/SERB/MED/RKK	Development of kitchen layout for paraplegic person	Science & Engineering Research Board (SERB)	2,675,120	3 years	Dr.Ratna Kumar Kondareddy Assistant Professor	MED

185	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
184	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
183	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
182	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
181	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
180	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
179	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
178	NITC/DEAN(R&C) /ICSSR/MHRD/IMPRESS/VP/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
177	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
176	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
175	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

174	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
173	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 recalcination of the site	Department of Science and Technology	1,763,600	3 years	Dr. V Sivasubramanian Professor	CHED
172	NITC/DEAN(R&C)/ICSSR/MHRD/IMPRESS/M P/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 Associate Professor	CSED
171	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
170	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
169	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
168	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 Assistant Professor	CHED
167	NITC/DEAN(R&C)/ICSSR/MHRD/IMPRESS/A B/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
166	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
165	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
<b>2018-2019</b>							
164	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

163	NITC/DEAN(R&C)/2018-19/024/SERB-TARE/PHY/DJ/RC	Computational investigation on the mechanism of formation of MoS <sub>2</sub> 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
162	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
161	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
160	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
159	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
158	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
157	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
156	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
155	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
154	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
153	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

152	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
151	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 Associate Professor	BSED
150	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 Associate Professor	BSED
149	NITC/DEAN(R&C)/2018-19/010/DST-INSPIRE-FY/CHED/PSR	DST INSPIRE FACULTY SCHEME Project entitled "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
148	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
147	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
146	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 cancer 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
145	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
144	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 Associate Professor	CSED
143	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
142	NITC/DEAN (R&C)/DST/INSPIRE/AD/CHEMISTRY/2018	INSPIRE Fellowship under INSPIRE Programme	Department of Science and Technology	2,166,233	5 years	INSPIRE Fellow - Ms. Athulyadas,  Co-ordinating Faculty: Dr. Muniyandi Sankaralingom, Assistant Professor	CHY

141	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 Unit, Infrared Camera and Audiometry 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
140	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
<b>2017-2018</b>							
139	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
138	NITC/DEAN (R&C) /DST/WOS- A/SS/CHEMISTRY/2017	Cationic Mesothienylporphyrins and its Transition 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
137	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
136	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
135	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
134	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
133	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
<b>2016-2017</b>							

132	NITC/DEAN (R&C) /KSCSTE/SB/ CHED/2017 (136)	Simultaneous Removal of Organic 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
131	NITC/DEAN (R&C) /KSCSTE/RGK/ SOBT/2017 (135)	Micro RNA-9 Regulation of Neuroregeneration: A potential Therapeutic Strategy for Ischemic Stroke	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	1,395,000	3 years	Dr. Rajanikant G. K. Professor	BSED
130	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
129	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
128	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
127	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
126	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 Engineering Research Council)	3,300,000	3 years	Dr. Ramani Thekkathu (PI)  Dr. N. Sandhyarani, Assoc. Professor (Mentor)	MSED
125	NITC/DEAN(R&C) /DST/SERB/CA/ CHEMISTRY/2016	High Valent Trans-metallporphyrins 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
124	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

123	NITC/DEAN (R&C) /CPRI/AS /EED/2016	Development of Solid State Transormer as a Wind Power Interfacing Device	Central Power Research Institiute	2,800,000	2 years	Dr.S.Ashok Professor	EED
122	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
121	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
120	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
119	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
<b>2015-2016</b>							
118	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
117	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
116	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
115	NITC/DEAN (R&C)/RAA/AS /DCH/2015	Government of India Scheme -Rashtriaya Avishkar Abhiyan (RAA)				Dr.A.Sujith Professor	CHY

114	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
113	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
112	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
111	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: Santhosh G. Thampi Professor Dr.	CED
110	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
109	NITC/DEAN(R&C) /VISVESVARAYA Ph.D SCHEME/2015	Visvesvaraya Ph.D. Scheme for Electronics and IT	Digital India Corporation	16,715,000			
108	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
107	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
106	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

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105	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
104	NITC/DEAN (R&C) /KSCSTE/ TDAP/LVG-RM/MED/2015	Development of a Hybrid Electrochemical Discharge Machine and its Performance 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
103	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
102	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
101	NITC/DEAN (R&C) /KSCSTE /SRSPS/KC/2014.	Enhancement of third order optical nonlinearity in photonic crystal cavity for optical switching	Kerala State Council for Science, Technology and Environment (KSCSTE),	2,075,000	3 years	Dr.K. Chandrashekharan Professor	PHY
100	NITC/DEAN(R&C) /SERB/DST/TJS/MED/2014	Design and Fabrication of anechoic test facility and characterization of acoustic emissions from airfoils in flow field	Science & Engineering Research Board (SERB)	2,254,000	3 years	Dr. T. J. Sarvoththama Jothi Associate Professor	MED
99	NITC/DEAN (R&C)/DST-SERB/KR /SOBT/2014	Characterizing 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
98	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
97	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

96	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
<b>2013-2014</b>							
95	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
94	NITC/DEAN(R&C) /DST/AAA/PHY/ 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
93	NITC/DEAN(R&C) /DST/SERB/AAA/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
92	NITC/DEAN(R&C) /DST/SERB/SV/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
91	NITC/DEAN (R&C) KSCSTE/NJ-NS/ 2013	Flexible Nanomaterial Doped Polymer Dispersed Liq (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
90	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
89	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
88	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
87	NITC/DEAN(R&C) /IFA/DST/ S.De/2013	<b>Inspire Faculty Award</b> (Photo-switchable K <sup>+</sup> 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

86	DEAN(R&C) /SERB/DST/CA/CHEMISTR Y/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
85	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
84	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
83	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
82	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
81	NITC/DEAN(R&C) /ERD/AS/CSIR /2013	Poly (3, 4ethylendiothiophene) / 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
80	NITC/DEAN(R&C) /HSMI/HUDCO/R&D/PPA/A RC-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
79	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
<b>2012-2013</b>							
78	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
77	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
76	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
75	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

74	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
73	NITC/DEAN(R&C) /CSIR/AK/SOBT /2012	A genetics 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
72	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
71	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
70	NITC/DEAN(R&C) /DBT/RGK/SBT/ 2012	Design and in Vitro Evaluation of the Neuro Protective effects of HOF-Prolyl Hydroxylase Inhabitators against Ishemic Stroke	Ministry Of Science and Technology, Department of Biotechnology	5,019,000	3 years	Dr. Rajanikant G. K. Professor	BSED
69	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
68	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
67	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
66	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
65	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

64	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
63	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
62	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
61	NITC/DEAN(R&C) /KSCSTE/IPB/RAN/SOBT/20 12	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
60	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
59	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
58	NITC/DEAN(R&C) /CSIR/EMR/RC/PHYSICS/20 12	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
<b>2011-2012</b>							
57	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
56	NITC/DEAN (R&C) /DST/CSI /PDF/SK/2011	PUFA Therapy ameliorates cognitive impairment and mitochondrial dysfunction in caenohabditis elegans model of parkinson disease	Department of Science and Technology	1,248,000	2 years	Dr.Shashikumar (PI) Dr. Rajanikant G K (Guide) Professor	BSED
55	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
54	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
53	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

52	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
51	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
50	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
49	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
48	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
47	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
<b>2010-2011</b>							
46	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
45	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
44	NITC/DEAN(C&SR)/DRDO/DERIPR/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.Cheryan	EED
43	NITC/DEAN(C&SR)/COEUT/IITM/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
42	NITC/DEAN(C&SR)/COEIUT/IITM/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

41	NITC/DEAN(C&SR) DARO/DRDO/ARDB/SPS/S NST/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/CONSULTANCY /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/SOBT/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
<b>2009-2010</b>							
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/SB /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
<b>2005-2008</b>							
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/HOD/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,				