

File.No	Project File No	Name of the Project	Funding Agency	Total Amount	Duration of the Project	Principal Investigator
<b>2023-2024</b>						
320	NITC/DEAN (R&C)/2023-24/04/SERB-SIRE/SoBT/CAF	Deciphering the crosstalk between human ependymoma cancer stem cells and myeloid macrophages	Science & Engineering Research Board (SERB)			Dr. Cecil Antony
319	NITC/DEAN (R&C)/2023-24/03/NBHM/MAT/TP	Error estimates for Two-scale Composite Finite Element Approximations of Nonlinear Thermistor Equations in Nonconvex Polygonal Domains	National Board for Higher Mathematics (NBHM) Department of Atomic Energy	Ra.14,87,400/- (Rupees Forteen Lakh Eighty Seven Thousand Four Hundred Only)	3 years	Dr. Tamal Pramanick
318	NITC/DEAN (R&C)/2023-24/02/SERB-SIRE/MED/SCS	Development of upconversion enhanced efficient CPV system integrated with two-phase flow assisted heat spreader	Science & Engineering Research Board (SERB)		6 months	Dr. Sujith Kumar C.S
317	NITC/DEAN (R&C)/2023-24/01/CMNPF-KSHEC/MED/SKU/JP	Chief Ministers NavaKerala Postdoctoral (CMNP) Fellowship by the Kerala Higher Education Council (KSHEC)	Kerala Higher Education Council (KSHEC)		2 years	NKPDF - Dr. S Krishnanunni, Mentor Dr. Jinu Paul, Assoc.Professor,M
<b>2022-2023</b>						

316	NITC/DEAN(R&C)/2022-23/044/KSCSTE/SMSE/ST	Carbon based hybrid nanomaterial in ionic fluids for CO2 reduction	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	Rs.19,58,000/- (Rupees Nineteen Lakh Fifty Eight)	2 years	Dr Shijo Thomas
315	NITC/DEAN(R&C)/2022-23/043/IEEE/ECED/CY-315	2022.16 Summer School on "THz Electronics	IEEE Electron Devices Society, USA			Dr. Chandan Yadav
314	NITC/DEAN (R&C)/2022-23/042/SERB-CRG/CED/SP	Biopolymer as Stabilizers on Micro Mechanical Performance of Pre-crushed Micaceous Sand at Different Degree of Mica Particle Breakage under Varying Cyclic	Science & Engineering Research Board (SERB)	Rs.15,72,076/- (Rupees Fifteen Lakh Seventy Two Thousand Seventy Six)	3 years	Dr. Seethalakshmi P
313	NITC/DEAN (R&C)/2022-23/041/CPRI/EED/NH	Condition assessment of stator insulation in rotational machines due to thermal and electrical ageing through advanced dielectric response measurements		Rs.40,72,000/- (Rupees Forty Lakh Seventy Two Thousand Only)		Dr. Nasirul Haque
312	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)	Rs.7,00,000/- (Rupees Seven Lakh Only)	9 months	Dr. Shyam Kumar C N
311	NITC/DEAN (R&C)/2022-23/039/ICMR/SOBT/CAF	Deciphering host genes that positively regulate the intracellular survival of Klebsiella pneumoniae MDR within the human	Indian Council of Medical Research (ICMR)	Rs.16,23,117/- (Rupees Sixteen Lakh Twenty Three Thousand One Hundred Seventy Seven)	3 years	Dr.Cecil Antony

310	NITC/DEAN (R&C)/2022-23/038/DST-INSPIRE-FS/CHY/CK/CAS	DST - INSPIRE Fellowship under INSPIRE Programme to the Research Scholar (P220090CY)	Department of Science & Technology			INSPIRE Fellow Ms. Charutha K, P220090CY, Research Scholar
309	NITC/DEAN (R&C)/2022-23/037/CPRI/EED/VM	Pilot Implementation of Energy Blockchain and P2P Transactive	Central Power Research Institute (CPRI)	Rs.19,44,000/- (Rupees Nineteen		Dr. Vivek Mohan
308	NITC/DEAN (R&C)/2022-23/036/SERB-TARE/CED/DMS/SAS	Advancement and Applications of High-Strength High-Performance Concrete Utilising Electrical Arc Furnace Steel Slag Residue and	Science & Engineering Research Board (SERB)	Rs.18,30,000/- (Rupees Eighteen Lakh Thirty Thousand	3 Years	Department of Civil Engineering, BMS Institute of Technology and
307	NITC/DEAN (R&C)/2022-23/034/SERB-CRG/MED/SCS	Design, fabrication and performance analysis of electro assisted wickless heat spreader	Science & Engineering Research Board (SERB)	Rs.25,40,230/- (Rupees Twenty Five Lakh Forty		Dr. Sujith Kumar C.S
306	NITC/DEAN (R&C)/2022-23/035/SERB-TARE/CED/AS/PN	Investigation on utilization of waste tire rubber and recycled concrete fines in concrete- A multiscale Approach	Science & Engineering Research Board (SERB)	Rs.18,30,000/- (Rupees Eighteen Lakh Thirty Thousand Only)	3 years	Dr. Sofi A, Assoc. Professor, Department of Structural and Geotechnical Engineering, School of Civil Engineering, VIT Vellore under
305	NITC/DEAN(R&C)/2022-23/033/ISRO-RESPOND/EED/STK	Realization of plasma gun for atmospheric plasma polishing	Indian Space Research Organisation (ISRO)	Rs.46,77,920/- (Rupees Forty Six Lakh Seventy Seven Thousand Nine Hundred and Twenty	2 years	Dr. Sindhu T. K.
304	NITC/DEAN(R&C)/2022-23/032/ISRO-RESPOND/ECED/DKJ	High-Fidelity Sinusoidal Synthesiser for HRG Whole Angle Tracking	Indian Space Research Organisation (ISRO)	Rs.33,53,840/- (Rupees Thirty Three Lakh Fifty Three Thousand	2 years	Dr.Dhanaraj K J

303	NITC/DEAN (R&C)/2022-23/031/DST-TDP/PHY/MKRV	Advanced Distributed Acoustic Intrusion Sensing using Optical Fibre Network along Oil Pipelines	Department of Science and Technology			Dr. M K Ravi Varma
302	NITC/DEAN(R&C)/2022-23/030/CPRHE-NIEPA/SOBT/RGK	CPRHE/NIEPA study on College Readiness and Student Success in Higher Educaeiion in NIT Calicut	Nataional Institute of Educational Planning and Administration	Rs.3,41,000/- (Rupees Three Lakh Forty One Thousand Only)		Dr.Rajanikanth GK
301	NITC/DEAN (R&C)/2022-23/029/SERB-CRG/PHY/SNV	Optically - controlled programmable assembly of multi- component 3D colloidal crystals from evaporating droplets	Science & Engineering Research Board (SERB)	Rs.47,80,380/- (Rupees Forty Seven Lakh Eighty Thousand Three Hundred and Eighty Only)	3 years	Dr. Subramanian Namboodiri Varanakkot
300	NITC/DEAN(R&C)/2022-23/028/SERB/CSD/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)	Rs.25,40,516/- (Rupees Twenty Five Lakh Forty Thousand Five Hundred and Sixteen Only)	3 years	Dr. Prabu Mohandas
299	NITC/DEAN(R&C)2022-23/027/KSCSTE-KSYSA/PHY/SNV	Extraction of Colloidal particles from dilute suspensions based on controlled droplet impact	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	Rs.24,25,000/- (Rupees Twenty Four Lakh Twenty Five Thousand Only)	3 years	Dr. Subramanyan Namboodiri Varanakkottu
298	NITC/DEAN(R&C)/2022-23/026/SERB-CRG/MAT/SSR	A study on the zero multiplicity and S-units in recurrence sequences	Science & Engineering Research Board (SERB)	Rs.21,12,264/- (Rupees Twenty One Lakh Twelve Thousand Two Hundred and Sixty Four Only)	3 years	Dr. Sudhansu Sekhar Rout
297	NITC/DEAN(R&C)/2022-23/025/SERB-CRG/EED/SDP	Investigation on the alteration in brain dynamics during progression of Alzheimer Disease (AD) from Mild Cognitive impairment (MCI) under resting and cognitive task conditions using complex network analysis	Science & Engineering Research Board (SERB)	Rs.18,96,400/- (Rupees Eighteen Lakh Ninety Six Thousand Four Hundred Only)	3 years	Dr. Subha D.P

296	NITC/DEAN(R&C)/2022-23/024/SERB-NPDF/CHY/PP	National Post-Doctoral Fellowship	Science & Engineering Research Board (SERB)	Rs.14,40,000/- (Rupees Fourteen Lakh Forty Thousand Only)	2 years	NPDF- Ms. Shahnaz Sultana Rohman Mentor- Parameswaran Pattivil
295	NITC/DEAN(R&C)/2022-23/023/IKSD-AICTE/DAP/AB	Indian Knowledge Systems approach to deep ecology: Integrating sacred geography and sustainability	Indian Knowledge Systems Division of Ministry of Education-AICTE, New Delhi	Rs.25,28,000/- (Rupees Twenty Five Lakh Twenty Eight Thousand Only)	2 years	Dr. Anjana Bhagyanathan
294	NITC/DEAN(R&C)/2022-23/022/KSCSTE/MED/KS	Synthesis and Processing Aluminium Alloy 7075 and Hybrid Composite Developed by Powder Metallurgy Method and Study of Material Characterization, Mechanical Properties and Corrosion behaviour	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	Rs.6,55,000/- (Rupees Six Lakh Fifty Five Thousand Only)	2 years	Dr. K. Sekar
293	NITC/DEAN(R&C)/2022-23/021/KSCSTE/MED/AP	Investigations on Valorisation of Coffee Husk through Slow Pyrolysis and Fluidized Bed Gasification	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	Rs.7,15,000/- (Rupees Seven Lakh Fifteen Thousand Only)	3 years	Dr. Arun P
292	NITC/DEAN(R&C)/2022-23/020/SERB/ECED/BAA	Fractional Order non-local Variational Regularization Models and their Applications in Image Processing	Science & Engineering Research Board (SERB)	Rs.6,60,000/- (Rupees Six Lakh Sixty Thousand Only)	3 years	Dr. Bini A. A
291	NITC/DEAN(R&C)/2022-23/019/KSCSTE/CED/SKD	Investigations on the uncertainties in the reservoir inflow and flood forecasts based on Numerical Weather Prediction (NWP)	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	Rs.5,30,000/- (Rupees Five Lakh Thirty Thousand Only)	3 years	Dr. Sathish Kumar D
290	NITC/DEAN(R&C)/2022-23/018/KSCSTE/CED/YVN	Sustainability assessment of Inland Water Transport: A case study of Kerala	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	Rs.5,50,000/- (Rupees Five Lakh Fifty Thousand Only)	3 years	Dr. Yogeshwar V Navandar

289	NITC/DEAN(R&C)/2022-23/017/NBHM/MAT/SSR	Integral Points on Dynamical Systems	Department of Atomic Energy	Rs.10,16,900/- (Rupees Ten Lakh Sixteen Thousand Nine Hundred Only)	2 years	Dr. Sudhansu Sekhar Rout
288	NITC/DEAN(R&C)/2022-23/016/MeitY/MED/GKK	Capacity Building for human resource development in Unmanned Aircraft System (Drone and Related Technology)	Ministry of Electronics and Information Technology (MeitY)	Rs.89.87 Crores	5 years	Dr. Gangadhara Kiran Kumar L
287	NITC/DEAN(R&C)/2022-23/015/SERB-SIRE/MED/BK	Microstructural, mechanical and wear behaviour of additively manufactured titanium and stainless steel: An investigation into the effect of build orientation and heat treatment - under SERB International Research	Science & Engineering Research Board (SERB)	Rs.18,34,590/- (Rupees Eighteen Lakh Thirty Four Thousand Five Hundred and Ninety Only)	6 months	Dr. Basil Kuriachen
286	NITC/DEAN(R&C)/2022-23/014/CEFIPRA/PHY/PP	Perovskite Single Crystalline Solar Cells	Indo French Centre for the Promotion of Advanced Research (IFCPAR) - CEFIPRA	Rs.43,09,107/- (Rupees Forty Three Lakh Nine Thousand One Hundred and	5 years	Dr. Predeep P
285	NITC/DEAN(R&C)/2022-23/013/DRDO-ASL/MED/MKP	Development of High Temperature Substrate for RF Circuit Application	Defence Research & Development Organization (DRDO)	Rs.19,99,000/- (Rupees Nineteen Lakh Ninety Nine Thousand Only)	18 months	Dr. Murali K P
284	NITC/DEAN(R&C)/2022-23/012/SERB-IMPRINT/MED/BK	Development of low-cost Induction Melted Liquid Metal Additive Manufacturing Machine (IMMAMM) with Numerical and Experimental Investigations	Science & Engineering Research Board (SERB)	Rs.50,03,100/- (Rupees Fifty Lakh Three Thousand One Hundred Only)	3 years	Dr. Basil Kuriachen

283	NITC/DEAN(R&C)/2022-23/011/TIH-IITG/MED/BK	Experimental Investigations into the effect of reinforcement particles on the tribological and corrosion properties of marine grade AA5052 aluminium alloy joints through FSW	IIT Guwahati Technology Innovation and Development Foundation	Rs.10,00,000/- (Rupees Ten Lakh Only)		Dr. Basil Kuriachen
282	NITC/DEAN(R&C)/2022-23/010/DST-WOS-A/PHY/MH/RC	Investigation of Heusler alloys for spintronics applications	Department of Science & Technology	Rs.30,76,380/- (Rupees Thirty Lakh Seventy Six Thousand Three Hundred and Eighty Only)	3 years	Dr. Madhumita Haldar
281	NITC/DEAN(R&C)/2022-23/009/VISVESVARAYA Ph.D Scheme	Visvesvaraya Ph.D. Scheme for Electronics and IT: Phase II	Digital India Corporation	Rs.1,08,92,400/- (Rupees One Crore Eight Lakh Ninety Two	5 years	
280	NITC/DEAN(R&C)/2022-23/008/DST-INSPIRE-FY/PHY/PMS/MC	INSPIRE FACULTY FELLOWSHIP	Department of Science and Technology		5 years	INSPIRE FACULTY: Dr. P Muhammed Shafi Co-ordinating Faculty: Dr. Maneesh Chandran, Asst.
279	NITC/DEAN(R&C)/2022-23/007/KHRI/CED/JK	Development of Ultra-High-Performance Concretes (UHPCs) for Road/Bridge Infrastructure in Urban Areas	Kerala Highway Research Institute	Rs.35,91,500/- (Rupees Thirty Five Lakh Ninety One Thousand Five Hundred	2 years	Dr. Jayachandran K
278	NITC/DEAN(R&C)/2022-23/006/SERB/CHY/MC	Design of Gc3n4/cOn4 Nanohybrids as a Quantum Computing Material with Simultaneous Catalytic Activity and Sensing Ability	Science & Engineering Research Board (SERB)	Rs.31,63,732/- (Rupees Thirty One Lakh Sixty Three Thousand Seven Hundred	3 years	Dr. Mausumi Chattopadhyaya
277	NITC/DEAN(R&C)/2022-23/005/SERB/CHY/MMM	Mxene/Polymer Nanocomposites for Self - Powering Wearable Sensors and Devices	Science & Engineering Research Board (SERB)	Rs.49,33,764/- (Rupees Forty Nine Lakh Thirty Three Thousand Seven hundred	3 years	Dr. Mini Mol M

276	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)	Rs.9,76,001/- (Rupees Nine Lakh Seventy Six Lakh)	1 year	Dr.Fthima Fasmin
275	NITC/DEAN(R&C)/C-ELECTRIC/NS/EED/2022	Electrically excited Synchronous machine - EESM	C-Electric Automotive Drives Pvt Ltd	Rs.13,00,000/- (Rupees Thirteen Lakh Only)	9 months	Dr. Nikhil Sasidharan
274	NITC/DEAN(R&C)/NKPDF/CMNP/KS HEC/MM-MKRV/PHY/2022	Chief Minister's NavaKerala Post-Doctoral Fellowships	The Kerala State Higher Education Council	Rs.1,50,000/- (Rupees One Lakh Fifty Thousand Only)	2 years	Dr. Mushin M
273	NITC/DEAN(R&C)/NKPDF/CMNP/KS HEC/JNP-SGT/CED/2022	Chief Minister's NavaKerala Post-Doctoral Fellowships	The Kerala State Higher Education Council	Rs.1,50,000/- (Rupees One Lakh Fifty Thousand Only)	2 years	Dr. Jesiya N P
<b>2021-2022</b>						
272	NITC/DEAN(R&C)/UGC-DAE/CSR/BK/MED/2022	Development of novel methodology to deposit Micro/Nano secondary phase (Composite coatings) through Electrical Discharge to improve the Surface tribology of Ti6Al4V	UGC - DAE	Rs.45,000/- (Rupees Forty Five Thousand Only)	1 year	Dr. Basil Kuriachen
271	NITC/DEAN(R&C)/DST-FIST/SMSE/2022	FIST program	Department of Science & Technology	Rs.2,12,00,000/- (Rupees Two Crore and Twelve Lakh Only)	5 years	HoD, SMSE
270	NITC/DEAN(R&C)/2021-22/043/DST-INSPIRE-FS/CHY/SV/AAV	INSPIRE FACULTY FELLOWSHIP	Department of Science and Technology		5 years	Ms. Sarika V, P210007CY, Research Scholar in Department of Chemistry
269	NITC/DEAN(R&C)/LP/MFC/RR/DAP/2022	My City Invisible	British Academy in association with University of Liverpool, UK	Rs.2,35,673/- (Rupees Two Lakh Thirty Five Thousand Six Hundred and		Dr. Mohammed Firoz



268	NITC/DEAN(R&C)/2021-22/041/BCEG-OBUECED/AAP	Foundational module on Fundamentals in Data Science	British Council going Global - Oxford Brookes University	Rs.5,33,389/- (Rupees Five Lakh Thirty Three		Dr. Anup Aprem
267	NITC/DEAN(R&C)/2021-22/040/SERB/CED/SKD	Investigations on Probabilistic Flood Forecasting Techniques using Medium-Range Numerical Weather Prediction (NWP) Ensembles for the Chaliyar River Basin, Kerala	Science & Engineering Research Board (SERB)	Rs.22,95,240/- (Rupees Twenty Two Lakh Ninety Five Thousand Two Hundred and	3 years	Dr. Sathish Kumar D
266	NITC/DEAN(R&C)/2021-22/039/SERB/CHY/CAS	Design of Functional Main Group Organometallic Molecular Scaffolds: NIR Absorbing Excellent Materials for Sensing, Transportation of Bio-inspired Anions, Two-photon Absorption and OLEDs	Science & Engineering Research Board (SERB)	Rs.39,33,600/- (Rupees Thirty Nine Lakh Thirty Three Thousand Six Hundred Only)	3 years	Dr. Chinnaayyaswamy P
265	NITC/DEAN(R&C)/2021-22/038/SERB/PHY/RC	Computational Modelling of Transition Metal Oxides as Electrochemical Catalysts	Science & Engineering Research Board (SERB)	Rs.34,32,000/- (Rupees Thirty Four Lakh Thirty Two Thousand Only)	3 years	Dr. Raghu Chatanathodi
264	NITC/DEAN(R&C)/2021-22/037/SERB/PHY/VSR	Performance Enhancement of Ternary Organic Solar Cells using Charge Transfer and Energy Transfer Synergistic Effects	Science & Engineering Research Board (SERB)	Rs.17,27,000/- (Rupees Seventeen Lakh Twenty Thousand Only)	3 years	Dr. Sivaji Reddy Vari
263	NITC/DEAN (R&C)/2021-22/036/SERB-RJF/CED/BST/JSK	SERB - Ramanujan Fellowship Scheme	Science & Engineering Research Board (SERB)	Rs. 1,19,00,000/- (Rupees One Crore Nineteen Lakh Only)	5 years	Dr. Blesson Skariah Thomas
262	NITC/DEAN(R&C)/ISRO/RESPOND/BK/MED/2022	Mechinability studies and development of a stable manufacturing technique for XH67MBTHO Nickel based super alloy	Indian Space Research Organisation (ISRO)	Rs.7,92,000/- (Rupees Seven Lakh Ninety Two Thousand Only)	1 year & 6 Month	Dr. Basil Kuriachen

261	NITC/DEAN(R&C)/2021-22/034/SERB/CHED/SD	Exploring the effect of Single and Bimetallic-Doped Graphene Oxide (GO) Microporous Architecture by Pool Boiling for High- Quality Steam Generation	Science & Engineering Research Board (SERB)	Rs.38,30,000/- (Rupees Thirty Eight Lakh Thirty Thousand Only)	3 years	Dr. Sudev Das
260	NITC/DEAN(R&C)/2021-22/033/SERB/LSED/ARKP	Towards solving a Trajectory Planning Problem for Unmanned Aerial Vehicles (UAVs) to a Computational Efficient Algorithm	Science & Engineering Research Board (SERB)	Rs.6,60,000/- (Rupees Six Lakh Sixty Thousand Only)	3 years	Dr. Arun Raj kumar P
259	NITC/DEAN(R&C)/2021-22/032/KSPCB/CED/AEV	Modernization of Pollution Control System of Steel industries	Kerala State Pollution Control Board	Rs.10,00,000/- (Rupees Ten Lakh Only)	7 Month	Dr. Aswathy E V
258	NITC/DEAN(R&C)/2021-22/031/ISRO-RESPOND/PHY/RAM	Investigation of Solar Erupsions using Sub- photospheric Dynamics	Indian Space Research Organisation (ISRO)	Rs.24,74,000/- (Rupees Twenty Four Lakh Seventy Four Thousand Only)	3 years	Dr. Ram Ajour Maurya
257	NITC/DEAN(R&C)/2021-22/030/ISRO-RESPOND/DAP/BP	Development of a model for generation of high-resolution gridded population map	Indian Space Research Organisation (ISRO)	Rs.29,40,000/- (Rupees Twenty Nine Lakh Forty Thousand Only)	3 years	Dr. Bimal P
256	NITC/DEAN(R&C)/2021-22/029/SERB/SOBT/AK	Investigation of cross-talk of gene regulation of L-sorbose and galactose metabolism in Candida albicans	Science & Engineering Research Board (SERB)	Rs.24,24,745/- (Rupees Twenty Four Lakh Twenty Four Thousand Seven Hundred and Forty Five Only)	3 years	Dr. Anaul Kabir

255	NITC/DEAN(R&C)/2021-22/028/SERB/EED/DM	Development of an Adaptive Distance Relaying Scheme in a Low Inertia Power System with Hardware Realization	Science & Engineering Research Board (SERB)	Rs.28,78,790/- (Rupees Twenty Eight Lakh Seventy Eight Thousand Seven Hundred and Ninety Only)	2 years	Dr. Deepak m
254	NITC/DEAN(R&C)/2021-22/027/NRB-DRDO/ECED/APM	Synchronization in Single Carrier and Multi Carrier Underwater Wireless Acoustic Communication System (UWACS)	Defence Research & Development Organization (DRDO)	Rs.35,64,000/- (Rupees Thirty Five Lakh Sixty Four Thousand Only)	3 years	Dr. Ameer P M
253	NITC/DEAN(R&C)/2021-22/026/SERB/EED/NH	Condition assessment of polymeric cable insulation through time domain measurements considering the effect of charge trapping in the insulation	Science & Engineering Research Board (SERB)	Rs.15,01,520/- (Rupees Fifteen Lakh One Thousand Five Hundred and Twenty Only)	2 years	Dr. Nasirul Haque
252	NITC/DEAN(R&C)/2021-22/025/SERB/SOBT/TS	Cathepsin-S as a novel direct drug target for preventing barrier and tissue destructive proinflammatory IL-1 beta signaling in primary, vascular endothelium: an in vitro study	Science & Engineering Research Board (SERB)	Rs.29,62,650/- (Rupees Twenty Nine Lakh Sixty Two Thousand Six Hundred and Fifty Only)	2 years	Dr. Tom Skaria
251	NITC/DEAN(R&C)/2021-22/024/SERB/MED/AP	Agglomeration Abatement in Fluidised Bed Gasification of Ligno-cellulosic Biomasses	Science & Engineering Research Board (SERB)	Rs.32,01,240/- (Rupees Thirty Two Lakh One Thousand Two Hundred and Forty Only)	3 years	Dr. Arun P
250	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)	Rs.23,32,000/- (Rupees Twenty Three Lakh Thirty Two Thousand Only)	2 years	Dr. T. J. Sarvoththama Jothi
249	NITC/DEAN(R&C)/2021-22/022/SERB/CSGD/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)	Rs.15,93,510/- (Rupees Fifteen Lakh Ninety Three Thousand Five Hundred and Ten Only)	2 years	Dr. Pranesh Das

248	NITC/DEAN(R&C)/2021-22/021/SERB/CHY/CAS	Supramolecular Rigid Aromatic Multifarene Scaffolds: Selective Recognition of Environmental Pollutants and Ligands for Asymmetric Catalysis	Science & Engineering Research Board (SERB)	Rs.25,86,000/- (Rupees Twenty Five Lakh Eighty Six Thousand Only)	2 years	Dr. Chinnaayyaswami
247	NITC/DEAN(R&C)/2021-22/020/SERB/CHY/PP	Stabilization of Compounds with Zero-valent Main-group Elements)	Science & Engineering Research Board (SERB)	Rs.32,45,000/- (Rupees Thirty Two Lakh Forty Five Thousand Only)	3 years	Dr. Parameswaran P
246	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)	Rs.25,80,000/- (Rupees Twenty Five Lakh Eighty Thousand Only)	2 years	Dr. Anju A Vargeese
245	NITC/DEAN(R&C)/2021-22/018/SERB-TARE/SMSE/MKR/SV	Enhancing the performance of solar collector using nanofluids	Science & Engineering Research Board (SERB)	Rs.18,30,000/- (Rupees Eighteen Lakh Thirty Thousand Only)	3 years	Dr. Mrinal K.R, Asst. Professor, Department of Mechanical Engineering, National Institute of Engineering, Mysore, Karnataka
244	NITC/DEAN(R&C)/2021-22/017/SERB-TARE/SMSE/ACP/NS	Designing and Fabrication of Metal-Organic Framework (MOFs) for electrocatalytic applications	Science & Engineering Research Board (SERB)	Rs.18,30,000/- (Rupees Eighteen Lakh Thirty Thousand Only)	3 years	Dr. Anjana C.P, Asst. Professor, Mar Athanasius College of Engineering, Kothamangalam under mentorship of
243	NITC/DEAN(R&C)/2021-22/016/SERB-TARE/ECED/BAO/SSM	Application of Deep Learning Techniques for Impairment Mitigation in Next Generation Multiple Access Technologies	Science & Engineering Research Board (SERB)	Rs.18,30,000/- (Rupees Eighteen Lakh Thirty Thousand Only)	3 years	Dr. Beena A.O, Asst. Professor, Department of Electronics,

242	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)	Rs.31,55,900/- (Rupees Thirty One Lakh Fifty Five Thousand and Nine Hundred Only)	8 Month	Dr. Anantha Singh T S
241	NITC/DEAN(R&C)/2021-22/014/ARDB-DRDO/MED/BK	Experimental Investigations and Electro-Thermal Modeling of Electrode Wear Compensation in Micro Electric Discharge Machining ( $\mu$ EDM) of Shaped Holes on Super Alloys for Improving the Dimensional Accuracy and Functional Performance	Aeronautics R&D Board (ARDB), DRDO, Delhi	Rs.17,17,400/- (Rupees Seventeen Lakh Seventeen Thousand Four Hundred Only)	2 years	Dr. Basil Kuriachen
240	NITC/DEAN(R&C)/2021-22/013/DST-INSPIRE/CHY/MC/JB	INSPIRE Fellowship under INSPIRE Program	Department of Science & Technology	Rs.4,81,280/- (Rupees Four Lakh Eighty-One Thousand Two Hundred and Eighty Only)	5 years	Mr. M Chandrakanth
239	NITC/DEAN(R&C)/2021-22/012/DST-INSPIRE/MAT/DS/SM	INSPIRE Fellowship under INSPIRE Program	Department of Science & Technology	Rs.4,51,520/- (Rupees Four Lakh Fifty One Thousand Five Hundred and Twenty Only)	5 years	Ms. Dhillshana
238	NITC/DEAN(R&C)/2021-22/011/DST-FIST/CHED/HoD	FIST program 2020 of DST- to strengthen the Research Facilities in the Department of Chemical Engineering, NIT Calicut.	Department of Science & Technology	Rs.68,00,000/- (Rupees Sixty Eight Lakh Only)	5 years	Dr. Aparna K
237	NITC/DEAN(R&C)/2021-22/010/CSR-HEFA/DAP/NMA	Development of a cost-effective and sustainable thermal insulation technique for retrofitting RCC roofs in warm humid climate	Higher Education Financing Agency, a Private Limited	Rs.40,00,000/- (Rupees Forty Lakh Thousand Only)	3 years	Dr. Naseer M A
236	NITC/DEAN(R&C)/2021-22/009/CSR-HEFA/ECED/PS	Computer aided diagnosis system for mammogram analysis based breast tumour classification.	Higher Education Financing Agency, a Private Limited	RS.25,00,000/- (Rupees Twenty Five Lakh Only)	3 years	Dr. Praveen Sankaran

235	NITC/DEAN(R&C)/2021-22/008/SERB/CSED/PC	Design and development of techniques and tools to build a simulation framework for performance evaluation of designs of processors enhanced for virtualization	Science & Engineering Research Board (SERB)	Rs.60,12,600/- (Rupees Sixty Lakh Twelve Thousand Six Hundred Only)	3 years	Dr. Priya Chandran
234	NITC/DEAN(R&C)/2021-22/007/DST-INT-SA/MED/SCS	Solar driven cogeneration of electricity and water in small, rural communities	Department of Science & Technology (International Bilateral Cooperation Division)	Rs.21,96,200/- (Rupees Twenty One Lakh Ninety Six Thousand Two Hundred Only)	3 years	Dr. Sujith Kumar C S
233	NITC/DEAN(R&C)/2021-22/006/ARMREB-DRDO/CHY/AAV	Development of Spray Evaporation Technique for the Preparation of Uniform Microparticles of Ammonium Dinitramide (ADN) and Surface Modificatin by Atomized Spray Coating Method	Armament Research Board, DRDO	RS.72,59,824/- (Rupees Seventy Two Lakh Fifty Nine Thousand Eight Hundred and Twenty Four Only)	2 years	Dr. Anju A Vargeese
232	NIITC/DEAN(R&C)/2021/22/005/DST-INSPIRE-FS/MKRV/PM	INSPIRE Fellowship under INSPIRE Program	Department of Science & Technology	Rs.4,17,00,000/- (Rupees Four Crore Seventeen Lakh Only)	5 years	Dr. Pramitha M
231	NITC/DEAN(R&C)/2021-22/004/CONS-GRAVITY/DAP/AB	Sustainable landscape design guidelines: integrating ecology and aesthetics	Gravity Incorp Pvt Ltd	Rs.3,54,000/- (Rupees Three Lakh Fifty Four Thousand Only)	10 month	Dr. Anjana Bhagyanathan
230	NITC/DEAN(R&C)/2021-22/003/DST-INSPIRE-FY/ECED/NSK/DPP	INSPIRE Fellowship under INSPIRE Program	Department of Science & Technology	Rs.4,46,00,000/- (Rupees Four Crore Forty Six Lakh Only)	5 years	Dr. Nujoom Sageer Karat
229	NITC/DEAN(R&C)/2021-22/002/DST/ECED/AA	Non-invasiva measurement and monitoring of pulmonary congestion	Department of Science & Technology	Rs.37,27,396/- (Rupees Thirty-Seven Lakh Twenty Seven Thousand Three	2 years	Dr. Anup Aprem

228	NITC/DEAN(R&C)/2021-22/001/SERB-POWER/SMSE/NS	Interface Engineering of Rhenium Based Nano Heterstructures for Enhanced Hydrogen Evolution Reaction	Science & Engineering Research Board (SERB)	Rs.38,10,000/- (Rupees Thirty Eight Lakh Ten Thousand Only)	3 years	Dr. N Sandhyarani
<b>2020-2021</b>						
227	NITC/DEAN(R&C)/2020-21/032/CSIR/EED/KS	DESIGN AND DEVELOPMENT OF SOLAR PV FED EFFICIENT UNIVERSAL CONVERTER FOR V/F DRIVES IN SMART IRRIGATION SYSTEM	Council for Scientific and Industrial Research	Rs.20,16,000/- (Rupees Twenty Lakh Sixteen Thousand Only)	3 years	Dr. Kumaravel S
226	NITC/DEAN(R&C)/2020-21/031/KSCSTE/MED/AKR/SJ	A self – monitored, Indirect, Mixed – Mode Type Drying Unit Suitable for Agro – Product Drying Applications with Fixed – Temperature – Range	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	Rs.2,50,000/- (Rupees Two Lakh Fifty Thousand Only)	1 years	Shri. Arun K.Raj, Ph.D Research Scholar, as the PI and Dr. S. Jayaraj, Professor, MFD
225	NITC/DEAN(R&C)/2020-21/030/SERB/EED/SMP	A Noval Regenerative Gear-less Drive Train Based on Doubly Fed Poly Phase Synchronous Reluctance Motor with Active Power Factor Correction	Science & Engineering Research Board (SERB)	Rs.18,35,900/- (Rupees Eighteen Lakh Thirty Five Thousand Nine Hundred)	2 years	Dr. Shreelakshmi M P
224	NITC/DEAN(R&C)/2020-21/029/SERB/CHY/JB	Human Toll-Like Receptor 2-Selective Agonists: Design, Synthesis and Structure-Activity Relationship in Diverse Heterocyclic Scaffolds	Science & Engineering Research Board (SERB)	Rs.47,34,700/- (Rupees Forty Seven Lakh Thirty Four Thousand Seven Hundred)	3 years	Dr. Janardhan Banothu
223	NITC/DEAN(R&C)/2020-21/028/SERB/CSED/JP	Design and Development Of A Deep Learning Based Online-Assistance System For Psychologists By Transforming Patient Transcripts To	Science & Engineering Research Board (SERB)	Rs.13,61,800/- (Rupees Thirteen Lakh Sixty One Thousand Eight)	2 years	Dr. Jay Prakash

222	NITC/DEAN(R&C)/SERB/RD/CHY/2021	Design and synthesis of novel single-atom catalysis for C-C bond cleavage and C-C bond formation reactions	Science & Engineering Research Board (SERB)	Rs.27,46,150/- (Rupees Twenty Seven Lakh Forty Six Thousand One Hundred and Fifty Only)	2 years	Dr. Raju Dey
221	NITC/DEAN(R&C)/2020-21/026/DST-FIST/PHY/HoD	DST-FIST Programme	Department of Science and Technology (DST)	Rs.1,55,00,000/- (Rupees One Crore and Fifty Five Lakh Only)	5 years	
220	NITC/DEAN(R&C)/2020-21/025/SERB/ECED/VA	Development of diagnostic tool for Cold Atmospheric Plasma	Science & Engineering Research Board (SERB)	Rs.25,37,070/- (Rupees Twenty Five Lakh Thirty Seven Thousand and Seventy Only)	2 years	Dr. Venu Anand
219	NITC/DEAN(R&C)/SERB/SG/MED/2021	Development of Aluminum - Cerium - Scandium Alloys for High Temperature Creep Application and its Experimental Investigations	Science & Engineering Research Board (SERB)	Rs.34,77,400/- (Rupees Thirty Four Lakh Seventy Seven Thousand Four Hundred Only)	3 years	Dr. Srinu Gangolu
218	NITC/DEAN(R&C)/SERB/SV/SMSE/2021	Development of 2D heterostructures based wear and corrosion resistant-coatings.	Science & Engineering Research Board (SERB)	Rs.29,52,400/- (Rupees Twenty Nine Lakh Fifty Two Thousand Four Hundred Only)	3 years	Dr. Sajith V
217	NITC/DEAN(R&C)/SERB-NPDF/SMSE/RVN/NS	National Post-Doctoral Fellowship : Graphene - gold nanocluster conjugate with peptide aptamer as a sensor for early diagnosis of CVDs	Science & Engineering Research Board (SERB)	Rs.21,31,200/- (Rupees Twenty One Lakh Thirty One Thousand Two Hundred Only)	2 years	Ms. Resmi V Nair Post Doctoral Fellow SMSE (Mentor - Dr. Sandhyarani)



216	NITC/DEAN(R&C)/DST-FIST/CHEMISTRY/2020	DEPARTMENT OF CHEMISTRY- DST-FIST Programme	Department of Science and Technology (DST)	Rs.2,16,00,000/- (Rupees Two Crore and Sixteen Lakh Only)	5 years	Dr. Parameswaran P
215	NITC/DEAN(R&C)/SERB/ARN/ECED/2020	Fabrication and characterization of ZnON based photo sensors	Science & Engineering Research Board (SERB)	Rs.27,54,350/- (Rupees Twenty Seven Lakh Fifty Four Thousand Three Hundred and Fifteen Only)	2 years	Dr. Aswathi R Nair
214	NITC/DEAN(R&C)/2020-21/019/DST-NRDMS/DAP/CK	A framework for decision making using SDSS in the event of crowd formation in smart cities	Department of Science and Technology , NGP Division (earlier NRDMS)	Rs.32,11,358/- (Rupees Thirty Two Lakh Eleven Thousand Three Hundred and Fifty Eight Only)	2 years	Dr.Chithra K
213	NITC/DEAN(R&C)/ANIPL/SDMK/CSE D/2020	R&D Project with Aryaka Networks India Pvt Limited	Aryaka Networks India Pvt Limited	Rs.8,26,000/- (Rupees Eight Lakh Twenty Six Thousand Only)		Dr. S D Madhu Kumar
212	NITC/DEAN(R&C)/2020-21/017/DoECC/CED/2020	Investigation of shoreline stability along the Kerala coast using geospatial technologies for sustainable coastal protection measures	Environment Department- Directorate of Environment & Climate Change	Rs.13,20,000/- (Rupees Thirteen Lakh Twenty Thousand Only)	2 years	Dr. K V Anand
211	NITC/DEAN(R&C)/2020-21/016/ICAR-NASF/SMSE/SV	Risk assesment of nanoparticle accumulation in soils: Effects of metal oxide nanoparticles on soil bacterial communities,soil microbial processes and evaluation of phytotoxicity using	National Agricultural Science fund (NASF)	Rs.74,20,888/- (Rupees Seventy Four Lakh Twenty Thousand Eight Hundred and	3 years	Dr. Sajith V
210	NITC/DEAN(R&C)/KSCSTE/TDAP/REJ / JT/MED/2020	Development of Organic Oil Based Magnetorheological (MR) Fluid and Experimenting Surface Tempering Effect on the Magnetorheological Break Sysytem	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	Rs.4,00,000/- (Rupees Four Lakh Only)	2 years	Dr.Rakesh Erappa Jinaga

209	NITC/DEAN(R&C)/KSCSTE/TDAP/AKP/VVP/MED/2020	Development of decision support system for multimodal freight transportation planning with a special application for FCI Kerala region	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	Rs.3,00,000/- (Rupees Three Lakh Only)		Dr.Vinay V Panikkar
208	NITC/DEAN(R&C)/KSCSTE/ETP/CNR/CED/2020	Flood Forecasting using hybrid wavelet- ANN and wavelet- SVM models	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	Rs.5,90,000/- (Rupees Five Lakh Ninety Thousand Only)	2 years	Dr. Chithra N R
207	NITC/DEAN(R&C)/KSCSTE/ETP/PP/EE D/2020	Development of an alternative fluid to transformer mineral oil	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	Rs.5,70,000/- (Rupees Five Lakh Seventy Thousand Only)	2 years	Dr.Preetha P
206	NITC/DEAN(R&C)/2020-21/011/KSCSTE/CED/MH	Image based smart parking management for intelligent transportation systems	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	Rs.9,45,000/- (Rupees Nine Lakh Forty Five Thousand Only)	2 years	Dr. Harikrishna M
205	NITC/DEAN(R&C)/KSED/DE&CC/SCS/MED/2020	Development of desalination system using selectively patterned absorber	Directorate of Environment & Climate Change	Rs.13,75,000/- (Rupees Thirteen Lakh Seventy Five Thousand Only)	2 years	Dr. Sujith Kumar C S
204	NITC/DEAN(R&C)/KSCSTE/ETP/PN/CED/2020	Behaviour of Steel Fibre Reinforced Rubberized Concrete deep Beams	Kerala State Council for Science, Technology and	Rs.5,90,000/- (Rupees Five Lakh	2 years	Dr. Praveen Nagarajan

203	NITC/DEAN(R&C)/ISRO-RESPOND/PN/CED/2020	To develop a software for linear and nonlinear static analysis of structures using Applied Element method	Indian Space Research Organisation (ISRO)	Rs.13,88,000/- (Rupees Thirteen Lakh Eighty Eight Thousand Only)	2 years	Dr. Praveen Nagarajan
202	NITC/DEAN(R&C)/BPRD-MHA/SDMK/CSED/2020	Proactive Monitoring of online Social Network for Prevention of Crime against Women & Children (PMOPCWC)	Bureau of Police Research & Development	Rs.50,00,000/- (Rupees Fifty Lakh Only)	2 years	Dr. S D Madhu Kumar
201	NITC/DEAN(R&C)/MeitY/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)	Rs.38,48,000/- (Rupees Thirty Eight Lakh Forty Eight Thousand Only)	18 months	Dr. Kumaravel S
200	NITC/DEAN(R&C)/KSCSTE-ETP/JG/EED/2019-20	Stator Fault Diagnosis through Wavelet Based MCSA of Inverter Fed Induction Motor	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	Rs.6,70,000/- (Rupees Six Lakh Seventy Thousand Only)	2 years	Dr. Jagadanand G
199	NITC/DEAN(R&C)/2020-21/004/DST/CHED/NJK	integrated hydrodynamic cavitation-membrane distillation technology for enhanced water recovery from industrial effluent	Department of Science & Technology	Rs.21,60,800/- (Rupees Twenty One Lakh Sixty Thousand Eight Hundred Only)	2 years	Dr. Noel Jacob Kaleekkal
198	NITC/DEAN(R&C)/DST/FIST/MATHS/2019	Financial assistance to the Department of Mathematics, NIT Calicut under FIST Program to Strengthen the Research Facilities in	Department of Science & Technology	Rs.29,00,000/- (Rupees Twenty Nine Lakh Only)	5 years	Dr. Satyananda Panda

197	NITC/DEAN(R&C)/2020-21/002/SERB/CHED/SD	Study and development of highly efficient multichannel photocatalytic micro/milli reactor for textile waste water treatment exploiting hollow spherical zinc based metal oxide composite	Science & Engineering Research Board (SERB)	Rs.20,61,850/- (Rupees Twenty Lakh Sixty One Thousand Eight Hundred and Fifty Only)	2 years	Dr. Susmitha Das
196	NITC/DEAN(R&C)/SERB/SN/SMSE/2019-196	RATIONAL DESIGN AND DEVELOPMENT OF NON-PRECIOUS MIXED TRANSITION METAL OXIDES FOR OXYGEN REDUCTION REACTION	Science & Engineering Research Board (SERB)	Rs.41,48,890/- (Rupees Forty One Lakh Forty Eight Thousand Eight Hundred and Ninety Only)	3 years	Dr.N Sandhyarani
<b>2019-2020</b>						
195	NITC/DEAN(R&C)/SERB(DST)/AGILAN/CED/2019-195	Design and development of an expert system for updating rainfall Intensity-Duration-Frequency curves under climate change and non-stationarity	Science & Engineering Research Board (SERB)	Rs.18,62,300/- (Rupees Eighteen Lakh Sixty Two Thousand Three Hundred Only)	2 years	Dr.Agilan V
194	NITC/DEAN(R&C)/2019-20/025/CONS-TATA/CHED/TRV	Design modification of TATA-JK dense medium cyclone for the efficient separation of middling coal using CFD	Tata Steel Limited	Rs.7,80,000/- (Rupees Seven Lakh Eighty Thousand Only) + GST	9 months	Dr. Teja Reddy Vakamalla
193	NITC/DEAN(R&C)/SERB/ASHESH SAHA/MED/2019/193	Control of Instabilities in Jeffcott rotor	Science & Engineering Research Board (SERB)	Rs.23,43,387/- (Rupees Twenty Three Lakh Forty Three Thousand Three Hundred and Eighty Seven Only)	2 years	Dr. Ashesh Saha

192	NITC/DEAN(R&C)/2019-20/023/SERB/MED/RKK	Development of kitchen layout for para	Science & Engineering Research Board (SERB)	Rs.26,75,120/- (Rupees Twenty Six Lakh Seventy Five Thousand One Hundred and Twenty Only)	3 years	Dr.Ratna Kumar Kondareddy
191	NITC/DEAN(R&C)/SERB(DST)/SPV/ECED/2019	Development of an indigenous tool for the enhancement of medical images using deep neural networks.	Science & Engineering Research Board (SERB)	Rs.29,34,630/- (Rupees Twenty Nine Lakh Thirty Four Thousand Six Hundred and Thirty Only)	2 years	Dr.Sudeep P V
190	NITC/DEAN(R&C)/2019-20/021/KSCSTE - ETP/CED/GKV	Design and Development of a Real-time Optical Sensr for Selected VOCs in air and its application for field Measurements	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	Rs.4,55,000/- (Rupees Four Lakh Fifty Five Thousand Only)	2 years	Dr. George. K. Varghese
189	NITC/DEAN(R&C)/DST/INSPIRE-FELLOWSHIP/AY/SMSE/2019	INSPIRE Fellowship under INSPIRE Program	Department of Science and Technology	Rs.4,51,520/- (Rupees Four Lakh Fifty One Thousand Five Hundred and Twenty Only)	5 years	Ms. Anagha Yatheendran, P190091MT, Ph.D. Scholar in Material Science and Engineering, SMSE
188	NITC/DEAN(R&C)/2019-20/019/SERB/CHED/NJK	Development of Electrospun Membranes with Graded Hydrophobicity for Membrane Distillation	Science & Engineering Research Board (SERB)	Rs.26,44,400/- (Rupees Twenty Six Lakh Forty Four Thousand Four Hundred Only)	2 years	Dr.Noel Jacob Kaleekkal
187	NITC/DEAN(R&C)/SERB/DST/MMM/CHEMISTRY/2019	Two-Dimensionally Tailored Conductive Polymer Networks for Multi-Functional Applications	Science & Engineering Research Board (SERB)	Rs.34,20,500/- (Rupees Thirty Four Lakh Twenty Thousand Five Hundred Only)	3 years	Dr. Mini Mol M

186	NITC/DEAN(R&C)/ICSSR/MHRD/IMPRESS/BP/DAP/2019	Sociotope mapping as a tool for policy framework in an urban cultural landscape	Indian Council of Social Science Research (ICSSR)	Rs.8,00,000/- (Rupees Eight Lakh Only)	2 years	Dr.Bimal P
185	NITC/DEAN(R&C)/ANERT/PP/PHYSICS/2019	Design and Fabrication Strategies for Organic Hybrid Perovskite Solar Cells	AGENCY FOR NON-CONVENTIONAL ENERGY & RURAL TECHNOLOGY (ANERT)	Rs.4,96,989/- (Rupees Four Lakh Ninety Six Thousand Nine Hundred and		Dr.P Predeep
184	NITC/DEAN(R&C)/ICSSR/MHRD/IMPRESS/VVP/MED/2019	Assessment of Occupational hazards for Worker well-being under Clean india Initiative	Indian Council of Social Science Research (ICSSR)	Rs.7,35,000/- (Rupees Seven Lakh Thirty Five Thousand Only)	1 year	Dr.Vinay V Panikkar
183	NITC/DEAN(R&C)/ICMR/HT/SNST(SMSE)/2019	Development and Characterisation of Biodegradable Magnesium based Alloys for Degradable Metallic Implants	Indian Council of Medical Research (ICMR)	Rs.42,50,544/- (Rupees Forty Two Lakh Fifty Thousand Five Hundred and Forty Four Only)	3 years	Dr. Hanas T
182	NITC/DEAN(R&C)/IE(India)/SJ/MED/2019	Selectively Patterned Porous Evaporative Structure for Enhanced Solar Driven Interfacial Evaporation	The Institution of Engineers (India)	Rs/1,00,000/- (Rupees One Lakh Only)		Dr.S Jayaraj
181	Serial number only , No Project					
180	NITC/DEAN(R&C)/ISRO-RES/DPP/ECED/2019	VLSI implementation of Low Density Parity Check (LDPC) Encoder/Decoder for on-board/ground satellite applications	Indian Space Research Organisation (ISRO)	Rs.30,12,000/- (Rupees Thirty Lakh Twelve Thousand Only)	2 years	Dr.Deepthi P P

179	NITC/DEAN(R&C)/N-PDF/SERB/MM-MKRV/PHYSICS/2019	National Post-Doctoral Fellowship	Science & Engineering Research Board (SERB)	Rs.19,20,000/- (Rupees Ninety Lakh Twenty Thousand Only)	2 years	NPDF - Dr. Muhsin M, Mentor, Dr. M.K.Ravi Varma, Professor,
178	NITC/DEAN(R&C)/DST/VS/CHEMICAL/2019	Microbial recovery of biogenic methane from coal rejects with CO2 sequestration using novel hybrid geo photobioreactor and recalcination of the site	Department of Science and Technology	Rs.17,63,600/- (Rupees Seventeen Lakh Sixty Three Thousand Six	3 years	Dr. V Sivasubramanian
177	NITC/DEAN(R&C)/ICSSR/MHRD/IMPRESS/MP/CSSED/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)	Rs.10,00,000/- (Rupees Ten Lakh Only)	2 years	Dr.M Prabu
176	NITC/DEAN (R&C)/KSCSTE/PDF/BV/CHEMISTRY/2019	(Post Doctoral Fellowship) Scope of Photo-redox catalysis for oxidative enolate coupling: for the synthesis of Nitrogen containing compounds	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum			
175	NITC/DEAN (R&C)/KSCSTE/PDF/RP/CHEMISTRY/2019	Post Doctoral Fellowship	No Fund Received , Relieved from PDF w.e.f 16.08.2019 ,as he got an offer from abroad			
174	NITC/DEAN(R&C)/2019-20/006/SPARC-MHRD/EED/NS	A Resilient DC Community Grid for the Provision of Ancillary Services to Local Grid	Scheme for Promotion of Academic and Research Collaboration (SPARC)	Rs.64,79,841/- (Rupees Sixty Four Lakh Seventy Nine Thousand Eight Hundred and Forty One Only)	2 years	Dr. Nikhil Sasidharan
173	NITC/DEAN(R&C)/MeitY/YFRF/KS/EE D/2019	Young Faculty Research Fellows (YFRFs) of Visvesvaraya PhD Scheme	Digital India Corporation		2 years	Dr.Kumaravel S

172	NITC/DEAN(R&C)/SPARC-MHRD/NJK/CHEMICAL/2019	Tuning The Performance of Thin-Film Composite Membranes on Electrospun Support for Engineered Osmosis in water remediation.	Scheme for Promotion of Academic and Research Collaboration (SPARC)	Rs.43,41,965/- (Rupees Forty Three Lakh Forty One Thousand Nine Hundred and sixty Five Only)	2 years	Dr.Noel Jacob Kaleekkal
171	NITC/DEAN(R&C)/ICSSR/MHRD/IMPRESS/AB/ARCHI/2019	Attitudes towards the environment: Study in Kerala,post 2018 floods	Indian Council of Social Science Research (ICSSR)	Rs.6,00,000/- (Rupees Six Lakh)	2 years	Dr. Anjana Bhagyanathan
170	NITC/DEAN(R&C)/2019-20/002/SERB/ECED/SG	An Intelligent System for Retinopathy of Prematurity (ROP) Screening and Diagnosis	Science & Engineering Research Board (SERB)	Rs.30,90,252/- (Rupees Thirty Lakh Ninety Thousand Two Hundred and Fifty Two Only)	3 years	Dr.Sreelekha G
169	NITC/DEAN(R&C)/2019-20/001/SERB/CHED/PSR	Process Intensification of Post-Combustion CO2 Capture using Rotating Packed Bed Reactor concept	Science & Engineering Research Board (SERB)	Rs.30,55,800/- (Thirty Lakh Fifty Five Thousand Eight Hundred Only)	3 years	Dr.Panneerselvam Ranganathan
<b>2018-2019</b>						
168	NITC/DEAN(R&C)/2018-19/025/SERB/MAT/SP	Modeling and Simulation of Fluid Motion on the Surface Profile Generation in Micro EDM	Science & Engineering Research Board (SERB)	Rs.6,60,000/- (Rupees Six Lakh Sixty Thousand Only)	3 years	Dr.Satyananda Panda



167	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)	Rs.18,30,000/- (Rupees Eighteen Lakh Thirty Thousand Only)	3 years	Mentor: Dr.Raghu Chatanathodi
166	NITC/DEAN(R&C)/2018-19/023/SERB/CHED/BS	Development of Bio-modified carbon paste electrode for the detection and removal of heavy metals from wastewater	Science & Engineering Research Board (SERB)	Rs.42,64,000/- (Rupees Forty Two Lakh Sixty Four Thousand Only)	3 years	Dr.S Bhuvaneshwari
165	NITC/DEAN(R&C)/2018-19/022/SERB/ECED/SKJ	Design and implementation of breath analyzer for diabetes detection	Science & Engineering Research Board (SERB)	Rs.51,65,000/- (Rupees Fifty One Lakh Sixty Five Thousand Only)	3 years	Dr.Suja K J
164	NITC/DEAN(R&C)/2018-19/021/SERB/CHED/PKSM	A highly flexible Piezo-tribo nanogenerator based on electrospun PVDF nanofibers containing the modified and decorated carbonaceous nanoparticles for capturing human kinematics	Science & Engineering Research Board (SERB)	Rs.22,89,500/- (Rupees Twenty Two Lakh Eighty Nine Thousand Five Hundred Only)	3 years	Dr. Prasanna Kumar S Mural
163	NITC/DEAN(R&C)/2018-19/020/DST INSPIRE-FY/EED/SMP/JG	INSPIRE Faculty Fellowship Scheme	Department of Science and Technology	Rs.35,00,000/- (Rupees Thirty Five Lakh Only)	5 years	Dr.Shreelakshmi M P (INSPIRE Faculty) Dr.Jagadanand G (Coordinator)

162	NITC/DEAN(R&C)/2018-19/019/DST-WOS-B/ECED/AMV/SKJ	Development of point of care prognosis based exhaled breath analyser for cardiovascular diseases CVD	Department of Science & Technology	Rs.26,33,000/- (Rupees Twenty Six Lakh Thirty Three Thousand Only) Rs.28,49,980/- (Rupees Twenty Six Lakh Forty Nine Thousand Nine Hundred and	3 years	PI :- Ms.akshaya M V(Ph.D Scholar) Mentor:- Dr. Suja K J
161	NITC/DEAN(R&C)/DST/NS/SNST/2019	Design and Development of a low cost, rapid and sensitive sensor for the on-site detection of Endotoxin	Department of Science & Technology	Rs.43,84,560/- (Rupees Forty Three Lakh Eighty Four Thousand Five Hundred and Sixty Only)	3 years	Dr.N Sandhyarani
160	NITC/DEAN(R&C)/2018-19/017/UGC-DAE-CSR/AAA/PHY/2019	Synthesis & Characterization of Carbon-based Functional Nanomaerials for Chemical Sensing	UGC - DAE Consortium for Scientific Research			Dr. Aji A. Anappara
159	NITC/DEAN(R&C)/2018-19/016 /DST INSPIRE-FY/CHY/TK/RR	INSPIRE Faculty Fellowship Scheme	Department of Science and Technology	Rs.35,00,000/- (Rupees Thirty Five Lakh Only)	5 years	Dr.Tharakanath Kobaku (Inspire Faculty) Dr. Riil Ramachand
158	NITC/DEAN(R&C)/DST/INSPIRE-FS/MS/CHEMISTRY/2018	Synthesis and Reactivity Studies of Rare Mononuclear High-Spin Manganese (V)-oxo (S=1) complexes	Department of Science & Technology		4 years	Inspire Faculty- Dr. Muniyandi Sankaralingam

157	NITC/DEAN(R&C)/2018-19/014/SERB/MED/DLK	Investigations into the influence of 3-D surface topographic parameters and cross hatch angle of cylinder liner surface on the friction and wear of piston ring cylinder liner assembly.	Science & Engineering Research Board (SERB)	Rs.41,09,580 (Rupees Forty One Lakh Nine Thousand Five Hundred and Eighty Only) (Rs.11,09,343/- for MIT Manipal & Rs.30,00,237/- for	3 years	Dr.Deepak Lawrence K
156	NITC/DEAN(R&C)/2018-19/013/SERB/CED/AB	Investigation in to the Design and Performance Analysis of Encased Stone Column supported Embankments with Geocells as Basal Reinforcement	Science & Engineering Research Board (SERB)	Rs.39,84,770/- (Rupees Thirty Nine Lakh Eighty Four Thousand Seven Hundred and Seventy Only)	3 years	Dr.Anjana Bhasi
155	NITC/DEAN(R&C)/2018-19/012/SERB/SOBT/SPS	Unraveling molecular mechanisms linking adipokine (leptin) and steroid hormone (estradiol) to endometrial cancer for novel therapeutic approaches	Science & Engineering Research Board (SERB)	Rs.2,67,980/- (Balance amount transferred to NITC from Manglore University for completion of the project from here.	3 Years completed; extended till 16.01.2019	Dr.Suresh P S
154	NITC/DEAN(R&C)/2018-19/011/DBT/SOBT/SPS	Exploration of the Diagnostic/Therapeutic Potential of Non-coding RNAs-Phosphatase-HER2-UPAR cross talk in breast cancer	Department of Biotechnology (DBT)	Rs.56,43,200/- (Rupees Fifty Six Lakh Forty Three Thousand Two Hundred Only)	3 years	Dr.Suresh P S
153	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)	Rs.35,00,000/- (Rupees Thirty Five Lakh Only)- Rs.7 Lakh Per Year	5 years	Dr.Panneerselvam Ranganathan

152	NITC/DEAN(R&C)/2018-19/009/SERB/MAT/DRV	Design of Optimal Reliability Acceptance Sampling Plans based on Multi-sage Process, Inliers and Accelerated Tests	Science & Engineering Research Board (SERB)	Rs.7,42,500/- (Rupees Seven Lakh Forty Two Thousand Five Hundred only)	3 years	Dr. Mahesh kumar
151	NITC/DEAN(R&C)/2018-19/008/SERB/CHED/DRV	Developing Soft Sensors for Copolymerization Monitoring and Control based on Reaction Calorimetry	Science & Engineering Research Board (SERB)	Rs.37,79,600/- (Rupees Thirty Seven Lakh Seventy Nine Thousand Six Hundred Only)	3 years	Dr.Dhanya Ram V
150	NITC/DEAN(R&C)/2018-19/007/DST INSPIRE -FY/SMSE/LVN/HT	DST INSPIRE FACULTY SCHEME - Project entitled" Precise synthesis and purification of platinum nanocluster as anti-cancer agent: a new approach for cancer diagnosis and treatment	Department of Science and Technology (DST)	Rs.35,00,000/- (Rupees Thirty Five Lakh Only)- Rs.7 Lakh Per Year	5 years	Inspire Faculty- Dr. Lakshmi V Nair Coordinator: Hanas T
149	NITC/DEAN(R&C)/2018-19/ 006/ SERB-CARTRAC/CSED/ARK	CollAboRative Trusted Anonymous Communication in vehicular networks	Science & Engineering Research Board (SERB)	Rs.44,76,560/- (Rupees Forty Four Lakh Seventy Six Thousand Five Hundred and Sixty	3 years	Dr. Arun Raj kumar P
148	NITC/DEAN(R&C)/DST-SERB/PM/CSED/2018	A Long Term Solution: Fuzzy Logic Based Image-Acoustic Classification to Detect the Elephant Movement Patterns in Hosur Forest Areas to	Science & Engineering Research Board (SERB)	Rs.35,02,000/- (Rupees Thirty Five Lakh Two Thousand Only)	4 years	Dr. Prabu Mohandas
147	NITC/DEAN(R&C)/SERB-DST/SPK/MAT/2018	A Study of Riesz Transforms Associated to the Grushin Operator	Science & Engineering Research Board (SERB)	Rs.6,60,000/- (Rupees Six Lakh Sixty Thousand Only)	3 years	Dr. Sanjay P. K.
146	NITC/DEAN (R&C)/DST/INSPIRE/AD/CHEMISTRY/2018	INSPIRE Fellowship under INSPIRE Programe	Department of Science and Technology		5 years	INSPIRE Fellow - Ms. Athulyadas

145	NITC/DEAN (R&C)/DST/ FIST/ ECED/2018	Financial assistance to the Department of Electronics and Communication Engineering, NIT Calicut under FIST Program to Strengthen the Research Facilities in the Department - (i) Test Bed for ADvanced Wireless Communicaton System Design (Rs.170 lakh) ii) Data Acquisition and Debugging tool (Rs.12 lakh) iii) Multimedia Processing Unilt,	Department of Science & Technology	Rs.2,16,00,000/- (Rupees Two Crore and Sixteen Lakh Only)	5 years	
144	NITC/DEAN (R&C)/SERB/ DST/ SNV/PHYSICS/2018	Optofluidic Platform for Controlled Droplet Manipulation	Science & Engineering Research Board (SERB)	Rs.46,76,402/- (Rupees Forty Six Lakh Seventy Six Thousand Four Hundred and Two Only)	3 years	Dr. Subramanyan Namboodiri Varanakkottu
<b>2017-2018</b>						
143	NITC/DEAN (R&C)/MHRD/SAP/ IITM/LS/CHEMISTRY/2018	MHRD Grant for SWACHHTA ACTION PLAN (SAP) Project to NIT Calicut through IC & Sr, IIT Madras	IC & SR, IIT Madras	75,00,000/- (Rupees Seventy Five Lakh Only)	3 years	Dr. Lisa Sreejith
142	NITC/DEAN (R&C)/DST/WOS-A/SS/CHEMISTRY/2017	Cationic Mesothienylporphyrins and its Trasiition Metal Complexes: Synthesis, Photophysical, Electrochemical Studies and DNA Interaction	Department of Science & Technology (DST) WOS -A	Rs.30,30,500/- (Rupees Thirty Lakh Thirty Thousand Five Hundred Only)	3 years	Dr. Sujatha S (PI) Dr. C. Arunkumar, A.P, Chemistry ( Mentor) Dr. P. Parameswaran
141	NITC/DEAN (R&C)/CWC/DRIP/ SGT/CED/2017	Capacity Building in Dam Safety Related Areas - Rehabilitation & Improvement (DRIP)	Ministry of Water Resources - Central Water Commission	Rs.2,50,00,000/- (Two Crore Fifty Lakh Only)	3 years	Dr. Santosh G. Thampi

140	NITC/DEAN (R&C)/DST/VGM-NMA/ARCHI/2017	Model for Port based Sustainable Containerized Traffic Operation in India	Department of Science & Technology (DST) WOS -A	Rs.21,10,000/- (Rupees Twenty One Lakh Ten Thousand Only)	3 years	Ms. Vidya G. Mohan (Principal Investigator) & Dr. Naseer M A Assoc
139	NITC/DEAN (R&C)/DST/WOS-B/ SM-SK/CSFD/2017	Chetas	Department of Science & Technology (DST) WOS -B	Rs.18,97,700/- (Rupees Eighteen Lakh Ninety Seven Thousand Seven Hundred Only)	3 years	Ms. Sreeja M, (Principal Investigator) & Dr. Saidalavi Kalady, Assoc. Professor, CSFD (Mentor)
138	NITC/DEAN (R&C)/DST/SJ/MED/ (2016)/2017	Development, Testing and Standardization of Heat Pump Water Heaters using Solar Photovoltaic Thermal Hybrid Evaporators	Department of Science and Technology	Rs.38,36,800/- (Rupees Thirty Eight Lakh Thirty Six Thousand Eight Hundred Only)	3 year	Dr. S Jayaraj
137	NITC/DEAN (R&C)/KSCSTE/SP /APS&PN/CED/2017	Development of steel fibre reinforced GGBS concrete ad its applications in seismic resistant design	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	Rs.5,00,000/- (Rupees Five Lakh Only)	2 years	Smt. SARANYA P Research Scholar, CED (Principal Investigator) Dr.A.P. Shashikala & Dr
<b>2016-2017</b>						
136	NITC/DEAN (R&C)/KSCSTE/SB/ CHED/2017 (136)	Simultaneous Removal of Orgnic and Inorganic Pollutants from Textile Wastewater Effluents using Bio-Electrochemical Cell	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	Rs.14,40,000/- (Rupees Fourteen Lakh Forty Thousand Only)	2 years	Dr. S. Bhuvaneshwari
135	NITC/DEAN (R&C)/KSCSTE/RGK/ SOBT/2017(135)	Micro RNA-9 Regulation of Neuroregeneration: A potential Therapeutic Stragety for Ischemic Stroke	Kerala State Council for Science, Technology and Environment (KSCSTE), Trivandrum	Rs.13,95,000/- (Rupees Thirteen Lakh Ninety Five Thousand	3 years	Dr. Rajanikant G. K.

134	NITC/DEAN (R&C)/SERB(DST)/CL/CHEMISTRY/134/2016-17.	Design, Synthesis and Evaluation of Solid-Emissive Far Red-Near IR Fluorophores	Science & Engineering Research Board (SERB)	Rs.39,99,600/- (Rupees Thirty Nine Lakh Ninety Nine Thousand Six Hundred Only)	3 years	Dr. Lakshmi C.
133	NITC/DEAN (R&C)/133/KSCSTE/SRS/MKRV/PHY/2017	A multi-wavelength integrating nephelometer for characterizing tropospheric aerosol	Kerala State Council for Science, Technology and Environment (KSCSTE)	Rs.2,62,500/- (Rupees Two Lakh Sixty Two Thousand Five Hundred only)	3 years	Dr. M. K. Ravi Varma
132	NITC/DEAN (R&C)/SERB(DST)/PP&S.De/CHEMISTRY/2016-17	Naked Carbon as a Bridging Ligand in Bimetallic Ruthenium Complexes - A Theoretical Study on the Formation, Stability, Bonding and Reactivity	Science & Engineering Research Board (SERB)	Rs.34,00,817/- (Rupees Thirty Four Lakh Eight Hundred and Seventeen Only)	3 years	Dr. Parameswaran Pattiyil
131	NITC/DEAN (R&C)/PDF/SERB/RANS/SNST/2016.	National Post-Doctoral Fellowship	Science & Engineering Research Board (SERB)	Rs.19,20,000/- (Rupees Ninety Lakh Twenty Thousand Only)	2 years	Dr. ROBIN AUGUSTINE (Post Doctoral Fellow) &
130	NITC/DEAN (R&C)/DST/WOS-A/RTNS/SNST/2016	Synthesis, Characterization and Application of Novel Magnetically Recoverable Functionalized Nanocatalysts for various Organic	Department of Science & Technology (Science and Engineering Research Council)	Rs.33,00,000/- (Rupees Thirty Three Lakh Only)	3 years	Dr. Ramani Thekkathu (PI) & Dr. N. Sandhvarani
129	NITC/DEAN(R&C)/DST/SERB/CA/CHEMISTRY/2016	High Valent Trans-metallporphyrins with Glycosidic Linkages:Synthesis, Photophysical, Electrochemical studies. Cellular Targetting and Bio-	Science & Engineering Research Board (SERB)	Rs.44,00,000/- (Rupees Fourty Four Lakh Only)	3 Years	PI: Dr. C. Arunkumar, A.P, Chemistry Co-PI: Dr. K. Rathinasamy A P
128	NITC/DEAN (R&C)/DRDO/CVRDE/SV/SNST/2016	Development of Nano Lubricant for Diesel Engines	Defence Research & Development Organization (DRDO)	Rs.39,39,000/- (Rupees Thirty Nine Lakh Thirty Nine Thousand Only)	2.5 years	Dr. Sajith V

127	NITC/DEAN (R&C)/CPRI/AS /EED/2016	Development of Solid State Transormer as a Wind Power Interfacing Device	Central Power Research Institiute	Rs.28,00,000/- (Rupees Twenty Eigh Lakh Only)	2 years	Dr. Ashok S.
126	NITC/DEAN (R&C)/PDF/UGC/SRN-NS/SNST/2016.	UGC - POST DOCTORAL FELLOWSHIP FOR WOMEN FOR THE YEAR 2016-17	University Grants Commission			Dr. SINDHU R. NAMBIAR (PDF) Dr. N. SANDHYARANI
125	NITC/DEAN (R&C)/INSPIRE-FA / MMM/CHEMISTRY/2016	INSPIRE Faculty Scheme: Nanomaterial-Polymer Compsites for Printable Electronics, Sensors and also for Energy related applications	Department of Science and Technology		5 years	INSPIRE FACULTY: Dr. Minimol Menamparambath Co-ordinating Faculty: Dr.
124	NITC/DEAN (R&C)/DST-INSPIRE-FS/SNV/SNST/2016	INSPIRE Faculty Scheme: Project entitled: "Stimuli Responsive Microfluidics	Department of Science and Technology		5 years	INSPIRE FACULTY: Dr. Subramanyan Namboodiri Varanakkottu Co-ordinating
123	NITC/DEAN (R&C)/KSCSTE/ETP /SA/EED/2016	Development of Smart Controlelr for Switched Reluctance Motor	Kerala State Council for Science, Technology and Environment (KSCSTE),	Rs.16,88,040/- (Rupees Sixteen Lakh Eighty Eight Thousand and Fourty Only)	3 years	Dr. Ashok S.
122	NITC/DEAN (R&C)/NTPC/NETRA/VS/SNST/2016	Consultancy Project: Development of stable nanofluids for heat exchanger for improved cooling in thermal power plants	National Thermal Power Corporation Limited	Rs.56,50,000/- (Rupees Fifty Six Lakh Fifty Thousand Only)	2.5 years	Dr. Sajith V
<b>2015-2016</b>						
121	NITC/DEAN (R&C)/KSCSTE /SC/CED/2016	Strength Improvement of Locally available soft clays in construction of highways using lime-enzymatic formulations	Kerala State Council for Science, Technology and Environment (KSCSTE),	Rs.12,07,400/- (Rupees Twelve Lakh Seven Thousand and Four Hundred Only)	2 years	Dr. S. Chandrakaran



120	NITC/DEAN (R&C)/DST/FIST/MED/2016	To Strengthen the Post- Graduate teaching & research facilities in the Department of Mechanical Engineering. (i) Optical Profiler (ii) Tribo indenter (iii) High Speed Camera	Department of Science and Technology	Rs.2,51,00,000/- (Rupees Two Crore Fifty One Lakh Only)	5 years	Dr. Jose Mathew
119	No. NITC/DEAN(R&C)/KSCSTE/AK/SOBT/2016	Identification and Characterization of Novel Drug Resistance Genes in Human Fungal pathogen Candida	Kerala State Council for Science, Technology and Environment (KSCSTE).			
118	NITC/DEAN (R&C)/KSCSTE/SV/SNST/2015	Development of Advanced Fiber Reinforced Polymer Nanocomposites for Aircraft Structure Application	Kerala State Council for Science, Technology and Environment (KSCSTE),	Rs.15,07,675/- (Rupees Fifteen Lakh Seven Thousand Six Hundred and Seventy Five Only)	3 years	Dr. Soney Varghese
117	NITC/DEAN (R&C)/RAA/AS/DCH/2015	Government of India Scheme - Rashtriya Avishkar Abhayan (RAA)				Dr.Sujith A
116	NITC/DEAN (R&C)/DER&IPR/DRDO/SA/EED/2015	Development of cost effective 3-Axis intellisat platform system	Diroctrate of Extramural Research & Intellectual Property Rights (ER&IPR)- Defence Research & Development Organisation (DRDO)	Rs.37,00,000/- (Rupees Thirty Seven Lakh)	3 years	Dr. Ashok S.
115	NITC/DEAN (R&C)/KSCSTE/NS/CHEMI.ENGG/2015	Investigation over the experimental and mathematical modelling of aerosols in the Kozhikode District	Kerala State Council for Science, Technology and Environment (KSCSTE),	Rs.15,21,600/- (Rupees Fifteen Lakh Twenty One Thousand Six Hundred Only)	3 years	PI:- Dr. N. Selvaraju (Assistant Professor ) Dr. Lily Alen Varghese (Incharge) (Associate Professor)
114	NITC/DEAN (R&C)/KSCSTE/AS/SOBT/2015	Development of recombinant sphingomonas paucimobilis for gellan gum production: Characterization and application of recombinant gellan gum in nanoparticles based drug delivery systems	Kerala State Council for Science, Technology and Environment (KSCSTE),	Rs.24,25,600/- (Rupees Twenty Four Lakh Twenty Five Thousand Six Hundred Only)	3 years	Dr. A. Santhiagu
113	NITC/DEAN (R&C)/INSPIRE-FS/AP/CED/2015	INSPIRE Faculty Scheme	Department of Science and Technology		5 Years	INSPIRE FACULTY: Ms. ATHIRA P Coordinating Faculty: Dr.

112	NITC/DEAN (R&C)/KSCSTE/SRS/NS/SNST/2015	Synthesis of Novel Electrocatalytic Nanoparticles and Nanocomposites for fuel Cell Applications	Kerala State Council for Science, Technology and Environment (KSCSTE),	Rs.31,40,000/- (Rupees Thirty One Lakh Forty Thousand Only)	3 years	Dr. N. Sandhyarani
111	NITC/DEAN(R&C)/VISVESVARAYA Ph.D SCHEME/2015	Visvesvaraya Ph.D. Scheme for Electronics and IT				
110	NITC/DEAN(R&C)/CDAC-R&D/NaMPET-II/SA/EED/2015	Security Assessment of Microgrids in isolated and in grid connected mode	Centre for Development of Advanced Computing (CDAC)	Rs.15,00,000/- (Rupees Fifteen Lakh)	15 monts	Dr. Ashok S.
109	NITC/DEAN (R&C)/DIC/IISc/2015	For Implimentation of Scheme National Initiative For Setting Up of Design Innvation Centres,Open Design School & National Design Innovation	MHRD Through CPDM,Indian Institute of Science	Rs.75,00,000/- (Rupees Seventy Five Lakh Only)	5 years	Dr.P K Rajendrakumar
108	NITC/DEAN (R&C)/SMDP-C2SD/DeitY/2015	Special Manpower Development Chip to System Design (SNMDP-C2SD)	Department of Electronics and information Technology	Rs.79,25,000/- (Rupees Seventy Nine Lakh Twenty Five Thousand Only)	5 years	Dr. Rama Komaragiri Dr. Dhanraj K J (Now)
<b>2014-2015</b>						
107	NITC/DEAN (R&C)/KSCSTE/ETP/AS/MED/2015-16	Production of Bio diesel from Chlorella Vulgaris (Micro Algae), Salvinia Molesta (Fresh Waer Weed) and Investigation on its use in single Cylinder diesel engine	Kerala State Council for Science, Technology and Environment (KSCSTE),	Rs.10,96,905/- (Rupees Ten Lakh Ninety Six Thousand Nine Hundred and Five Only)	3 years	Dr. A. Shaija
106	NITC/DEAN (R&C)/KSCSTE/TDAP/LVG-RM/MED/2015	Development of a Hybrid Electrochemical Discharge Machine and its Pe rformance Analysis	Kerala State Council for Science, Technology and Environment (KSCSTE),	Rs.7,00,000/- (Rupees Seven Lakh Only)	1 years	PI- Shri. Ladeesh V G Research Scholar, MED Project Co-ordinator - Dr. R. MANI, Assoc
105	NITC/DEAN (R&C)/CDAC/NaMPET/Phase-II/AS/EED/2015	CDAC Short Term Course on "Power Electronics for Grid Connected Renewable Energy Systems"	Centre for Development of Advanced Computing (CDAC)	Rs.2,90,000/- (Rupees Two Lakh Ninety Thousand Only)		Dr. Ashok S

104	NITC/DEAN (R&C)/KSCSTE/ETP/NS/CHEMIENG/2015	Investigation over the Experimental and Mathematical Modelling of Novel Plant Based Biosorbents for the Sequestration of Hexavalent Chromium	Kerala State Council for Science, Technology and Environment (KSCSTE),	Rs.5,64,200/- (Rupees Five Lakh Sixty Four Thousand Two Hundred Only)	2 years	Dr.N.Selvaraju  Dr. V. Sivasubramanian
103	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),	Rs.20,75,000/- (Rupees Twenty Lakh Seventy Five Thousand Only)	3 years	Dr. Chandrasekharan . K
102	NITC/DEAN(R&C)/SERB/DST/TJS/ME D/2014	Design and Fabrication of anechoic test facility and characterization of acoustic emissions from airfoils in flow field	Science & Engineering Research Board (SERB)	Rs.22,54,000/- (Rupees Twenty Two Lakh Fifty Four Thousand Only)	3 years	Dr. T. J. Sarvoththama Jothi
101	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)	Rs.38,05,068/- (Rupees Thirty Eight Lakh Five Thousand and Sixty Eight Only)	3 years	Dr. Rathinasamy K.
100	NITC/DEAN (R&C)/KSCSTE/VSR/PHY/2014	Development of organic solar cells based on transition metal oxide anode buffer layers	Kerala State Council for Science, Technology and Environment (KSCSTE)	Rs.28,75,000/- (Rupees Twenty Eight Lakh Seventy Five Thousand Only)	3 years	Dr. Vari Sivaji Reddy
99	NITC/DEAN (R&C)/SERB(DST)/CSK/PHYSICS/2014	Investigation of optical nonlinearity by defect state in one dimensional photonic crystals	Science & Engineering Research Board (SERB)	Rs.29,97,672/- (Rupees Twenty Nine Lakh Ninety Seven Thousand Six Hundred and Seventy Two Only)	3 years	Dr. Chandrasekharan K.

98	NITC/DEAN (R&C)/KSCSTE/VMP/MED/2014	Development and analysis of model for green operations in supply chain management	Kerala State Council for Science Technology and Environment	Rs.9,29,940/- (Rupees Nine Lakh Twenty Nine Thousand Nine Hundred and Forty Only)	2 years	Dr. V. Madhusudanan Pillai
<b>2013-2014</b>						
97	NITC/DEAN (R&C)/CSIR/ERD/NS/SNST/2013-14	Ultrasensitive, Rapid and Low Cost Detection of Cancer Biomarkers	Council for Scientific and Industrial Research	Rs.6,00,000/- (Rupees Six Lakh)	2 years	Dr.N Sandhyarani
96	NITC/DEAN(R&C)/DST/AAA/PHY/2013	High energy density photochemical fuels based on nanomaterial hybrids	Department of Science and Technology	Rs.44,25,000/- (Rupees Forty Four Lakh Twenty Five Thousand Only)	3 years	Dr. Aji A. Anappara
95	NITC/DEAN(R&C)/DST/SERB/AAA/PHY/2013	Transparent, flexible and conducting electrodes based on graphene-nanomaterial hybrids	Science & Engineering Research Board (SERB)	Rs.11,10,000/- (Rupees Eleven Lakh Ten Thousand Only)	3 years	Dr. Aji A. Anappara
94	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)	Rs.26,00,000/- (Rupees Twenty Six Thousand)	3 years	Dr. Suni Vasudevan
93	NITC/DEAN (R&C)/KSCSTE/NJ-NS/2013	Flexible Nanomaterial Doped Polymer Dispersed Liquid Crystal (PDLC) Devices for Switchable window Applications	Kerala State Council for Science, Technology and Environment (KSCSTE),	Rs.15,96,000/- (Rupees Fifteen Lakh Ninety Six Thousand Only)	3 years	Smt. NIMMY JOHN V (Principal Investigator) &
92	NITC/DEAN (R&C)/ESD/DPP/ECED/2013	Design and Implementation of Secure Communication System for Reduced Complexity	Department of Electronics and information Technology (DeitY)	Rs.38,88,000/- (Rupees Thirty Eight Lakh Eighty Eight Thousand Only)	2 years	Dr.Deepthi P P
91	NITC/DEAN(R&C)/DBT/RGK/SOBT/2013	Inhibition of mitochondrial Dynamin related protein-1 activity confers neuroprotection against ischemia	Department of Biotechnology (DBT)	Rs.35,14,000/- (Rupees Thirty Five Lakh Fourteen Thousand Only)	3 years	Dr. Rajanikant G. K.

90	NITC/DEAN(R&C)/KSCSTE/RGK/SOBT/2013	Comprehensive Computational Analysis of Anti-diabetic Phytotherapeutics of Indian Origin	Kerala State Council for Science, Technology and Environment (KSCSTE),	Rs.14,42,000/- (Rupees Fourteen Lakh Forty Two Thousand Only)	2 years	Dr. Rajanikant G. K.
89	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	Department of Science and Technology	Rs.35,00,000/- (Rupees Thirty Five Lakh Only)	5 years	Dr.Susmitha De Principal Investigator Chemistry (INSPIRE FACULTY)
88	DEAN(R&C)/SERB/DST/CA/CHEMISTRY/2013	Rational Design and Syntheses of Metalloporphyrin- Lanthanoid Hybrid Materials for Photophysical and DNA Binding/Cleavage Studies	Science & Engineering Research Board (SERB)	Rs.43,66,000/- (Rupees Forty Three Lakh Sixty Six Thousand Only)	4 years	Dr.C. Arun Kumar
87	NITC/DEAN(R&C)/BRNS/PP/PHYSICS/2013-14	Development of low cost elastomeric fullerene derivatives using electron and gamma irradiation for organic electronic application	Board of Research in Nuclear Science (BRNS)	Rs.19,30,800/- (Rupees Nineteen Lakh Thirty Thousand Eight Hundred Only)	2 years	Dr. P. Predeep
86	NITC/DEAN(R&C)/MHRD/DHE/MVLR A/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)	Rs.2,00,00,000/- (Rupees Two Crore Only)		Dr.M.V.L.R.Anjaneyulu
85	NITC/DEAN(R&C)/SERB/NS/CHED/2013-14	Experimental and Deterministic model studies in regeneration of microbial biosorbents after heavy metal desorption	Science & Engineering Research Board (SERB)	Rs.8,82,000/- (Rupees Eight Lakh Eighty Two Thousand Only)	3 years	Dr. N.Selvaraju
84	NITC/DEAN(R&C)/SERB(DST)/VSR/PHYSICS/2013-14	Development of bistable memory devices based on organic semiconductors	Science & Engineering Research Board (SERB)	Rs.21,84,000/- (Rupees Twenty One Lakh Eighty Four Thousand Only)	3 years	Dr.Vari Sivaji Reddy
83	NITC/DEAN(R&C)/ERD/AS/CSIR/2013	Poly (3, 4ethylendioxthiophene) / Poly(methyl methacrylate) core-shell nanospheres for the fabrication of transparent and conductive thin films	Council of Scientific and Industrial Research	Rs.11,64,000/- (Rupees Eleven Lakh Sixty Four Thousand)	3 years	Dr.Sujith A

82	NITC/DEAN(R&C)/HSMI/HUDCO/R&D/PPA/ARC-2013	Development of a model framework for land use based Estimation and Prediction of solid waste Generation in small/medium scale towns in India	Human Settlement Management Institute	Rs.20,16,000/- (Rupees Twenty Lakh Sixteen Thousand Only)	18 Months	Dr. P. P. Anil Kumar
81	NITC/DEAN(R&C)/KSCSTE/SGT/CED/2013	Investigation on absorption of Fluoride from water using Nanomaterials	Kerala State Council for Science, Technology and Environment	Rs.14,64,000/- (Rupees Fourteen Lakh Sixty Four Thousand Only)	2 years	Dr. Santosh G. Thampi
<b>2012-2013</b>						
80	NITC/DEAN(R&C)/MNRE/NTD/CM/MED/2013	Investigation on bio-hydrogen production by Thermo-chemical method in fluidized bed gasifier under catalytic support and its Utilization	Ministry of New and Renewable Energy	Rs.34,53,450/- (Rupees Thirty Four Lakh Fifty Three Thousand Four Hundred and Fifty Only)	30 Month	Dr. Muraleedharan C
79	NITC/DEAN(R&C)/DST/SMK/2013	Antibiotics Removal from Waste Water using membrane Photocatalytic Slurry Reactor System	Science & Engineering Research Board (SERB)	Rs.21,80,000/- (Rupees Twenty One Lakh Eighty Thousand Only)	3 years	Dr. S. Madhava Kumar (Dr. George K Varghese, AP, CED)
78	NITC/DEAN(R&C)/DNRD/NRB/AVB/2013	Design and Development of a protocol stack for Under Water Acoustic Sensor Networks	Naval Research Board (NRB)	Rs.30,05,000/- (Rupees Thirty Lakh Five Thousand Only)	3 years	Dr. A. V. Babu
77	NITC/DEAN(R&C)/SR/FT/CS-172/2011/2012	Biodegradability enhancement of Low density polyethylene by using bipolymer nano particles	Science & Engineering Research Board (SERB)	Rs.25,20,000/- (Rupees Twenty Five Lakh Twenty Thousand Only)	3 years	Dr. A. Sujith

76	NITC/DEAN(R&C)/SERB/SR/FTP/ETA-57/2011	Fast Track Scheme for Young Scientist- "Assessment of Effectiveness of NH-47 Bye Passe Road in Coimbatore in Congestion Relief and Level of Service Improvement in traffic flow on NH-47 in Coimbatore city using Microscopic	Science & Engineering Research Board (SERB)	Rs.6,24,000/- (Rupees Six Lakh Twenty Four Thousand Only)	3 years	Dr. K. Krishnamurthy
75	NITC/DEAN(R&C)/CSIR/AK/SOBT/2012	A genitics Approach towards Understanding the function of chaperonin CCT Complex using Yeast	Council of Scientific and Industrial Research	Rs.12,00,000/- (Rupees Twelve Lakh Only)	3 years	Dr. Md. Anaul Kabir
74	NITC/DEAN(R&C)/KSCSTE/PP/PHYSICS/2012	Development of low cost polymer electrolyte from cis 1,4, polysoprene for energy storage applications	Kerala State Council for Science Technology and Environment	Rs.15,70,000/- (Rupees Fifteen Lakh Seventy Thousand Only)	2 years	Dr. P. Predeep
73	NITC/DEAN(R&C)/KSCSTE/SA/CHEMISTRY/2012	Low Density Polyethylene/nanochitosan biodegradable films for food packaging applications	Kerala State Council for Science Technology and Environment	Rs.11,60,000/- (Rupees Eleven Lakh Sixty Thousand Only)	2 years	Dr. A. Sujith
72	NITC/DEAN(R&C)/DBT/RGK/SBT/2012	Design and in Vitro Evaluation of the Neuro Protective effects of HOF-Prolyl Hydroxylase Inhabitators against Ischemic Stroke	Ministry Of Science and Technology, Department of Biotechnology	Rs.50,19,000/- (Rupees Fifty Lakh Nineteen Thousand Only)	3 years	Dr.Rajanikanth GK
71	NITC/DEAN(R&C)/DST/SDP/EED/2012	Nonlinear Analysis of EEG signals of patients with Alzheimer's disease	Science & Engineering Research Board (SERB)	Rs.17,95,000/- (Rupees Seventeen Lakh Ninety Five Thousand Only)	3 years	Ms. Subha D P
70	NITC/DEAN (R&C)/SR/FT/CS-121/PP/CH/2012	Design of Uranium Based Catalyst for Activation and Functionalization: A Computational Quantum Mechanical Study	Science & Engineering Research Board (SERB)	Rs.25,50,000/- (Rupees Twenty Five Lakh Fifty Thousand Only)	3 years	Dr. Parameswaran Pattiyil
69	NITC/DEAN(R&C)/SR/FT/CS-42/SDe/2012	A theoretical study on the enzymatic catalysis by methane mono-oxygenase: Designing of biomimetic catalysis for the conversion of	Science & Engineering Research Board (SERB)	Rs.25,50,000/- (Rupees Twenty Five Lakh Fifty Thousand Only)	3 years	Dr.Susmitha De (Principal Investigator) Dr. Parameswaran -
68	NITC/DEAN(R&C)DST/GU/DCH /2012	Tuneble Hierarchial Zeolites using Polymer Maro templates for the chemical synthesis	Science & Engineering Research Board (SERB)	Rs.50,63,000/- (Rupees Fifty Lakh Sixty Three Thousand Only)	3 years	Dr. G. Unnikrishnan

67	NITC/DEAN(R&C)/FTP/TKS/EED/2012	Development of Composite Dielectric Materials for high energy storage (super-capacitor) applications	Science & Engineering Research Board (SERB)	Rs.23,90,000/- (Rupees Twenty Three Lakh Ninety Thousand Only)	3 years	Dr. Sindhu T. K.
66	NITC/DEAN(R&C)/C.A.K/SR/FT/CS-25-2011	Novel functionalized Porphyrinic coordination Arrays, Polymers and Frameworks: Synthesis and properties	Science & Engineering Research Board (SERB)	Rs.21,80,000/- (Rupees Twenty One Lakh Eighty Thousand Only)	3 years	Dr.C.Arun Kumar
65	NITC/DEAN(C&SR)/DST/WSS/SSS/DCH/2012	Novel triazole bridged metalloporphyrins formed via click chemistry: Comparative DNA binding and cleavage studies	Department of Science and Technology (Women Scientist Scheme-A)	Rs.23,60,000/- (Rupees Twenty Three Lakh Sixty Thousand Only)	3 years	Dr.S Sujatha  (Dr.Arunkumar C, Co-ordinator)
64	NITC/DEAN(R&C)/KSCSTE/SC/CED/2012	Experimental investigations for potential use of coir pith in making value added products	Kerala State Council for Science Technology and Environment	Rs.3,79,000/- (Rupees Three Lakh Seventy Nine Thousand Only)	2 years	Dr. S. Chandrakaran
63	NITC/DEAN(R&C)/KSCSTE/IPB/RAN/SOBT/2012	Transcript Profiling of Differentially Expressed Gene(s) involved in the downstream steps leading to Artemisinin Biosynthesis on GA3 Induction	Kerala State Council for Science Technology and Environment	Rs.11,50,000/- (Rupees Eleven Lakh Fifty Thousand Only)	3 years	Dr.R.Aswati Nair
62	NITC/DEAN(R&C)/KSCSTE/ETP/SA/EED/2012	Development of Intelligent Robot for fault Diagnosis of Power lines	Kerala State Council for Science Technology and Environment	Rs.11,00,000/- (Rupees Eleven Lakh Only)	3 years	Dr.Ashok S
61	NITC/DEAN(R&C)/ICMR/GKR/SOBT/2012	Oleamide as Novel Neuro Protectant Against Ischemic Stroke	Indian Council of Medical Research (ICMR)	Rs.10,26,536/- (Rupees Ten Lakh Twenty Six Thousand Five Hundred and Thirty Six Only)	3 years	Dr.Rajanikant.G.K
60	NITC/DEAN(R&C)/CSIR/EMR/RC/PHY SICS/2012	Electron C Structure Studies of Adsorption of Unsaturated	Council of Scientific and Industrial Research		3 years	Dr.Raghu Chatanathodi
<b>2011-2012</b>						



59	NITC/DEAN(R&C)/DRD/VMP/MED/2011	Productivity Monitoring and wage Analysis Tool for NREG Works in Kerala	Ministry of Rural Development	Rs.16,78,000/- (Rupees Sixteen Lakh Seventy Eight Thousand Only)		Dr.V.Madhusudhana n Pillai,
58	NITC/DEAN (R&C)/DST/CSI /PDF/SK/2011	PUFA Therapy ameliorates cognitive impairment and miochodrial dysfunction in caenohabditias elegance model of parkinson disease	Department of Science and Technology	Rs.12,48,000/- (Rupees Twelve Lakh Forty Eight Thousand Only)	2 years	Dr.Shashikumar (PI) Dr. Rajanikant G K (Guide)
57	NITC/DEAN(R&C)MHRD/TRR/MED/2011	Production Management System	Ministry of Human Resource Development (MHRD)	Rs.4,00,000/- (Rupees Four Lakh Only)	1 years	Dr.T.Radha Ramanan
56	NITC/DEAN(C&SR)DST/CL/ CHEMISTRY/2011	Development of Pro-fluorophore scaffolds to probe peptide aggregation and conformational transitions	Department of Science and Technology	Rs.20,70,000/- (Rupees Twenty Lakh Seventy Thousand Only)	3 years	Dr. Lakshmi C.
55	NITC/DEAN(C&SR)/DST/MKRV/ PHYSICS/2011	Cavity enhanced absorption spectroscopy for trace gas pollutant monitoring	Department of Science and Technology	Rs.24,26,138/- (Rupees Twenty Four Lakh Twenty Six Thousand One Hundred and Thirty Eight Only)	3 years	Dr. M. K. Ravi Varma
54	NITC/DEAN(C&SR)/KSCSTE/PN/ CED/2011	Seismic evaluation of existing multi-storey building in Kozhikode District	Kerala State Council for Science Technology and Environment	Rs.9,99,000/- (Rupees Nine Lakh Ninety Nine Thousand Only)	3 years	Dr.Praveen Nagarajan
53	NITC/DEAN(C&SR)/KSCSTE/ AC/CED/2011	Development of Risk Management Tool in Green Construction Sites	Kerala State Council for Science Technology and Environment	Rs.8,80,000/- (Rupees Eight Lakh Eighty Thousand Only)	3 years	Dr.Arun C
52	NITC/DEAN(C&SR)/DBT/BIF-BTBI/RGK/SOBT/2011	Establishment of Bioinformatics Infrastructure Facility for Biology Teaching through Bioinformatics	Ministry Of Science and Technology, Department of Biotechnology	Rs.20,00,000/- (Rupees Twenty Lakh Only)		Dr.Rajanikant.G.K

51	NITC/DEAN(C&SR)/DBT/FGK/SOBT/2011	Combination therapy in ischemic stroke: Evaluation of Synergistic Neuro protective effects of Paroxetine and Everolimus	Ministry Of Science and Technology, Department of Biotechnology	Rs.13,92,000/- (Rupees Thirteen Lakh Ninety Two Thousand Only)	3 years	Dr.Rajanikant.G.K
50	NITC/DEAN(C&SR)/CB/MSME/SLTPPRCG/MVLRA/CED/2011	Study of Long Term Performance of Pavement Reinforced with Coir Geotextiles	Central Coir Research Institute	Rs.2,52,01,000/- (Rupees Two Crore Fifty Two Lakh One Thousand Only)	3 years	Dr.M.V.L.R.Anjaneyulu
49	NITC/DEAN(C&SR)/CB/MSME/UCPASGAS/MVLRA/CED/2011.	Use of Coir Pith for Airport Soft Ground Arrester System	Central Coir Research Institute	Rs.1,13,12,400/- (Rupees One Crore Thirteen Lakh Twelve Thousand Only)	3 years	Dr.M.V.L.R.Anjaneyulu
<b>2010-2011</b>						
48	NITC/DEAN(C&SR)/DRDO/DER&IPR/BTR/MED/2011	Design and Development of Electromagnetically Driven Miniature Cryocooler for IR Sensor Array – Phase I	Defence Research & Development Organization (DRDO)	Rs.27,50,000/- (Rupees Twenty Seven Lakh Fifty Thousand Only)	2.5 years	Dr. Biju T. Kuzhiveli
47	NITC/DEAN(C&SR)/DBT/KR/SOBT/2011	Identification and Characterisation of Phytochemicals from Indian Medicinal Herbs for their Potential Application in Cancer Chemotherapy	Ministry Of Science and Technology, Department of Biotechnology	Rs.19,56,000/- (Rupees Nineteen Lakh Fifty Six Thousand Only)	2 years	Dr.K.Rathinasamy
46	NITC/DEAN(C&SR)/DRDO/DERIPR/EP C/EED/2010	Investigation of Distributed Generation System Integration Strategies on a Laboratory Scale	Defence Research & Development Organization (DRDO)	Rs.7,00,000/- (Rupees Seven Lakh Only)	3 years	Dr.Elizabeth.P.Cherian
45		<b>Project originally started with financial support only during 2014 (Please see sl.no.101)</b>				

44	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	Rs.15,00,975/- (Rupees Fifteen Lakh Nine Hundred and Seventy Five Only)	2 years	Dr. M. V. L. R. Anjaneyulu
43	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	Rs.9,99,600/- (Rupees Nine Lakh Ninety Nine Thousand Six Hundred Only)	2 years	Dr. M. V. L. R. Anjaneyulu
42	NITC/DEAN(C&SR)DARO/DRDO/ARDB/SPS/SNST/2010	DSMC Simulation of solid rocket exhaust Plums	Diroctrate of Aeronautics /DRDO Aeronautics R&D Board	Rs.18,31,000/- (Rupees Eighteen Lakh Thirty One Thousand Only)	3 years	Dr.Sarith.P.Sathian, & Dr.V.Sajith, AP
41		<b>Patents (Patent office, Intellectual property office)</b> <b>File No: NITC/DEAN (C&amp;SR)/PATENTS/PP/PHYSICS/2010</b>				
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	Rs.15,82,000/- (Rupees Fifteen Lakh Eighty Two Thousand Only)	3 years	Dr.R.Aswathi Nair
39	NITC/DEAN(C&SR)/TSL/CONSULTANCY /SNST/2010	<b>Consultancy Work From Tata Steel Ltd- Enhancement of coolant using nanoparticles for application at Tata</b>	Tata Steel Ltd	Rs.20,00,000/- (Rupees Twenty Lakh Only)	2 years	Dr.Shijo Thomas
38	NITC/DEAN(C&SR)/DST/AK/SOBT/2010	Regulation of L-sorbose Utilization in Human Fungal Pathogen Candida Albicans	Department of Science & Technology	Rs.32,32,200/- (Rupees Thirty Two Lakh Thirty Two Thousand Two Hundred Only)	3 years	Dr. Md. Anaul Kabir

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	Rs.16,21,000/- (Rupees Sixteen Lakh Twenty One Thousand Only)	3 years	Dr.R.Aswati Nair
36	NITC/DEAN (C&SR)/HPCL /VS&CBS/SNST/2010	Investigation on fuels catalytic nano particles additives	Hindustan Petroleum Corporation Limited	Rs.1,20,00,000/- (Rupees One Crore Twenty Lakh Only)	3 years	Dr.C.B.Sobhan, Dr. Sajith.V
<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	Rs.7,50,000/- (Rupees Seven Lakh Fifty Thousand Only)	3 years	Dr.Lisa Sreejith
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	Rs.17,93,400/- (Rupees Seventeen Lakh Ninety Three Thousand Four Hundred Only)	3 years	Dr.A.Santhyagu
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	Rs.10,76,000/- (Rupees Ten Lakh Seventy Six Thousand Only)	3 years	Dr.C.B.Sobhan

32	NITC/DEAN(C&SR)/BRNS/AS/DCH/2009	Synthesis and Grafting of Thermoresponsive Hydrogels on Nanoporous Polymer Membranes by Electron Beam Irradiation for Implantable Drug Delivery Systems	Board of Research in Nuclear Science (BRNS)	Rs.16,10,650/- (Rupees Sixteen Lakh Ten Thousand Six Hundred and Fifty Only)	3 years	Dr.A.Sujith
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	Rs.11,90,000/- (Rupees Eleven Lakh Ninety Thousand Only)	2 years	Dr.T.P.Somasundaran
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
29	NITC/DEAN (C&SR)/NBHM/MSS/DM/09	Clustering using Fuzzy Graphics	Department of Atomic Energy	Rs.3,09,500/- (Rupees Three Lakh Nine Thousand Five Hundred Only)	3 years	Dr.M.S.Sunitha
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	Rs.9,92,200/- (Rupee Nine Lakh Ninety Two Thousand Two Hundred Only)	2 years	Dr.Lisa Sreejith
27	NITC/DEAN(C&SR)/DST/FTP/SB/CHE/2009.	Treatment of Effluent Using Biomembrane Techniques	Department of Science and Technology	Rs.16,95,600/- (Rupees Sixteen Lakh Ninety Five Thousand Six Hundred Only)	3 years	Dr.S.Bhuvaneshwary

26	NITC/DEAN(C&SR)/DST/ DCH/TF/09	Development of Chitosen Reinforced Polymer nanocomposites	Department of Science and Technology	Rs.19,92,000/- (Rupees Ninety Lakh Ninety Two Thousand Only)	3 years	Dr.Tania Francis
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	Rs.2,31,53,000/- (Rupees Two Crore Thirty One Lakh Fifty Three Thousand Only)		Dr.A.K.Kasthurba
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	Rs.84,00 000/- (Rupees Eighty Four Thousand Only)	5 years	Dr.S.Ashok
<b>2005-2008</b>						
23	NITC/DEAN(C&SR)/UC/MPS /MOU/ARC/2008	Consultancy Work for the construction of Multipurpose Building	University of Calicut	Rs.18,49,880/-		Dr.Anilkumar
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)	Rs.45,18,000/- (Rupees Forty Five Lakh Eighteen Thousand Only)	3 years	Dr.N.Sandhyarani
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	Rs.25,50,000/- (Rupees Twenty Five Lakh Fifty Thousand Only)	3 Month	Dr. R.Sreedharan
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	Rs.16,81,000/- (Rupees Sixteen Lakh Eighty One Thousand Only)	2 years	Dr. MVLR Anjaneyulu
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		2 years	Dr. Vineeth Paleri

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	Rs.19,14,000/- (Rupees Nineteen Lakh Fourteen Thousand Only)	3 years	Dr. N. Sandhyarani
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	Rs.68,447/- (Rupees Sixty Eight Thousand Four Hundred and Forty Seven Only)	2 years	Dr. P. Predeep
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	Rs.8,59,100/- (Rupees Eight Lakh Fifty Nine Thousand One Hundred Only)	2 years	Dr. S. Chandrakaran
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			Dr.Unnikrishnan G
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	Department of Science and Technology	Rs.33,60,000/- (Rupees Thirty Three Lakh Sixty Thousand Only)	5 years	Dr. M. P. Sebastian - (Sri. Abdul Nazeer)
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	Rs.9,90,000/- (Rupees Nine Lakh Ninety Thousand Only)	3 years	Dr.S.Ashok
12	NITC/DEAN(C&SR)/DST/FIST/HOD/CE/2007	To Strengthen the Post Graduate Teaching And Research in the Department	Department of Science and Technology	Rs.43,70,000/- (Rupees Forty Three Lakh Seventy Thousand	5 years	Dr.Lillykutty Jacob

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	Rs.10,20,800/- (Rupees Ten Lakh Twenty Thousand Eight Hundred Only)	3 years	Dr. MVLR Anjaneyulu
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	Rs.2,70,000/- (Rupees Two Lakh Seventy Thousnd Only)		Dr.P Predeep
9	NITC/DEAN(C&SR)/DST/PP/ DSH/08	Transparent Conducting Polymer Composite Films for Electrode Application in Opto-electronic &	Department of Science and Technology	Rs.49,00,000/- (Rupees Forty Nine Lakh Only)	3 years	Dr.P Predeep
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	Rs.19,99,500/- (Rupees Nineteen Lakh Ninety Nine Thousand Five Hundred Only)	2 years	Dr.C.B.Sobhan
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	Rs.5,70,000/- (Rupees Five Lakh Seventy Thousand Only)	3 years	K. Saseendran
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	Rs.18,75,005/- (Rupees Eighteen Lakh Seventy Five Thousand and Five Only)  Revised to Rs.19,90,005/-	3 years	Dr.K. Chandrashekharan



5	NIT/DEAN(C&SR)/UGC(P)/MAJ/MED/2007	Porosity studies on sand cast alloys using vibration during solidification	University Grants Commission	Rs.10,46,100/- (Rupees Ten Lakh Forty Six Thousand One Hundred Only)	3 years	Dr. M. A. Joseph
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	Rs.9,94,000/- (Rupees Nine Lakh Ninety Four Thousand Only)	3 years	Dr. A. P. Shashikala
3	NITC/DEAN(C&SR)/KSCSTE/SGT/CED/2007	Development of attached 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	Rs.10,45,000/- (Rupees Ten Lakh Forty Five Thousand Only)	2 years	Dr. Santhosh G. Tampi
2	NITC/DEAN(C&SR)/SC/CED/06	Standardisation of engineering properties and providing technical data for the Technomarketing of Coir	Centre for Development of Coir Technology	Rs.12,00,000/- (Rupees Twelve Lakh Only)	2 years	Dr. Chandrakaran
1	NITC/DEAN(C&SR)/SMDP-II/ECED/EE/2005	Special Manpower Development Program for VLSI Design and related	Ministry of Information Technology,			Dr. Elizabeth Elias
	NITC/DEAN(C&SR)/SMDP-II/ECED/EE/2005	Special Manpower Development Program for VLSI Design and related Software	Ministry of Information Technology,	Rs.59,00,000/- (Rupees Fifty Nine Lakh Only)	5 years	Dr. Elizabeth Elias