

CLOSED PROJECT FINANCIAL YEAR 2015-16

Sr. No.	Title	PI Name	Phone	E-mail	Department	Institute	Cost (in Lakhs)	PDC (in yrs)	Domain Lab
1	MESFET Model Parameter Extraction Using Particle Swarm Optimization Technique	Samrat L. Sabat	04023134326	slssp@uohyd.ernet.in	Physics	University of Hyderabad	9.13	3	SSPL
2	Science & Technology Dimensions of National Security	S Chandra Shekhar			International Strategic & Security Studies Programme	National Institute of Advanced Studies (NIAS)	472.00	5	OSD TO SA
3	Development of Cobalt Based Alloys for Gaint Magneto Resistance (GMR) Applications	S Mohan	04565-227713	-----	Electroplating and Metal Finishing	Central Electrochemical Research Institute (CECRI-CSIR)	14.92	2	DMRL
4	Synthesis of Novel Natural Product Hybrid Molecules as Potential Anti-HIV Agents.	A. Ilangoan	09865436093	ilangovana@yahoo.co.uk	Chemistry	Bharathidasan university	51.18	3	DRDE
5	Design, Synthesis, Electrochemical Studies and Evaluation of Therapeutic Potential Purines and Benzimidazoles through Quantitative Structure- Activity Relationship	Pratibha Sharma	+91-731-2479588	drpratibhasharma@yahoo.com	Chemical Sciences	Devi Ahilya Vishwavidyala	17.20	3	DRDE
6	Supercritical Carbon Dioxide Assisted Synthesis of Carbon Nanotube Epoxy Composites	M.G.H. Zaidi	05944233331-4503	zaidi@yahoo.com	Chemistry	G.B. Pant University of Agriculture & Technology	39.89	3	SSPL

7	Effect of Temperature Doping and Irradiation on Structural, Optical Electrical and Photo Electrical Properties of All BVI and CIV DVI Semiconductor Thin Polycrystalline Films and their Schottky Interface	Naresh Padha	09419182875	nareshpadha@yahoo.com	Physics & Electronics	University of Jammu	16.30	3	DL
8	Studies on the Optical Non-Linearity of Gold Nanoparticles Embedded BaTiO3 Thin Films	P. Nanda Kumar	0832-2580427	nandan@bits-goa.ac.in	Physics	Birla Institute of technology & Science (BITS)	15.66	3	SSPL
9	Transition Modeling at Hypersonic Mach Numbers.	Manoj T Nair	91-80-25051616	manoj@ctfd.cmmacs.ernet.in	CTFD Divison	National Aerospace Laboratory (NAL)	33.60	3	DRDL
10	Poly (E-) Lysine Production and Its Applications for Targeted Drug Delivery	Abha Mishra	9451887940	abha91@yahoo.co.in, abham@bhu.ac.in	School of Biochemical Engineering Institute of Technology	Banaras Hindu University (BHU)	14.90	2	INMAS
11	Nanoparticle- Natural Bio Molecule Based Nanocomposite for Visible & Near IR Sensitive, High Current Photoconductive Device Fabrication	D Nataraj	0422-2428444/9994753022	de.nataraj@gmail.com	Physics	Bharathiar University	22.33	2	SSPL
12	Nano Porous Polymer Membranes for Controlled Release of fertilizer	Arun M. Isloor	0824-2474000/09448523990	isloor@yahoo.com, isloor@nitk.ac.in	Chemistry	National Institute of Technology (NIT)	16.42	3	DIBER
13	Intelligent Control and Fault Detection Using Sensor Fusion Techniques	K. Ramkumar	04362-264101 ext: 649/9345446182	ramkumar@eie.sastra.edu	Electronics and Instrumentation	SASTRA University	11.63	3	CAIR
14	Development of Low Loss Low Temperature Cofired Ceramic Glass Composite (LTCC) Tapes for future MIC Device Applications	VRK Murthy	09940227191	vrkm@iitm.ac.in	Physics	Indian Institute of Technology (IIT Madras)	215.74	2Y 6M	DLRL
15	Design and Implementation of Efficient Hybrid Signed Digit Digital Filter	Krishna Raj	0512-2534001-5/09450607840	kraj_biet@yahoo.com	Electronics Engg	H. B. Technological Institute (H.B.T.I)	16.57	3	ADE

16	IO Protection Strategies in multi Voltage Signaling Environment In IC's	Regeti Govindrajalu	09848152549	gregeti@iiit.ac.in	Centre for VLSI and Embedded System Technologies	Indian Institute of Information Technology (IIIT)	15.94	3	ANURAG
17	Design, Construction of Fe-Drug Nano Complex Loaded Nano/Micro Bullets using a Novel Hybrid Technology for Magnetic Targeted Therapy and its Comparative Evaluation with Special Emphasis on Rheumatoid Arthritis	S. Latha	0431-2407946/ 9842598097	lathasuba@yahoo.co.in	Pharmaceutical Technology	Anna University	12.56	3	DIPAS
18	Electrochemically Tailored Complaint Solder Materials for Flip-Flop joining	Krishnashree Achuthan	0422 265 6422 ext: 327/ +91- 98954-83974	krishna@amrita.edu	Chemical Engg and Material Science	Amrita Vishwa Vidyapeetham	62.48	3	ANURAG
19	Analysis of Electronic and Optical Properties of N-Based Semiconductor and their Alloys: A first principle Study	Sudhir Kumar	0581/2524232	drsudhirkumar.in@gmail.com	Physics	MJP Rohilkhand University	22.44	3	SSPL
20	DC-DC Converter CSI fed BLDC motor drive	J. Karthikeyan	0452-2465289/ 9943722110	jkarthi30@gmail.com	EEE	Velammal College of Engineering and Technology	14.98	3	RCI
21	High Density Tape Cast Ferrite Thick Films for Microwave Application	N.Venkataramani	02225767657/ +91982011264 3	ramani@iitb.ac.in	Metallurgical Engg & Material Science	Indian Institute of Technology (IIT Bombay)	28.73	3	SSPL
22	Sensing of Chemical Warfare Agents with Norbornene based polymers.	Raja Shunmugam	9748897367	sraja@iiserkol.ac.in	Chemical Science	Indian Institute of Sciences Education & Research (IISER)	17.47	3	DRDE
23	Development and Study of the Cladding modified Fiber Optic Instinsic Biosensors.	Gajanan G. Muley	+91-721- 2662279 ext- 269/ +91- 9850325379	gajnanggm@yahoo.co.in	Physics	Amravati University	21.01	3	DRDE
24	Studies on Polymorphism in Bioactive Compounds of Therapeutic Importance	Deepak Chopra	0755-4092321/ 91-9202241389	dchopra@iiserbhupal.ac.in	Chemistry	Indian Institute of Sciences Education & Research (IISER)	13.85	3	DRDE

25	Development of Solid State NanoCrystalline Semi Conductor Sensitized Solar Cells By Inverted Morphology	Shaibal K. Sarkar	09820867575	shaibal.sarkar@iibt.ac.in	Energy Science and Engineering	Indian Institute of Technology (IIT Bombay)	45.40	3	SSPL
26	Study of Antigenic Diversity and Cross Reactive Antibody Generation to Influenza Virus in Human Samples	Madhu Khanna	011-27667441	madhukumar@hotmail.com	Respiratory Virology	Delhi University (Vallabhbai Patel Chest Institute)	45.21	3	DRDE
27	Radar Signal Processing Techniques for Detection of Meteors Using Wavelets	S. Varadarajan	877-2249315	caradasuri@gmail.com	Electrical and Electronics Engg.	Sri Venkateswara University	10.27	2	LRDE
28	Design and Synthesis of Lead Antimicrobial Compounds for defence Applications	Sunil K. Sharma	011-27666646	sk.sharma90@gmail.com	Chemistry	Delhi University	46.00	3	DRDE
29	A detailed study on processing of Functionally Gradient Materials (FGM) through a Novel Cast - Decant - Cast (CDC) Process	P.C. Angelo	0422-4344448	angelopsg@gmail.com	Metallurgical Engg	PSG College of Technology	29.79	2	DMRL
30	Three Dimensional Analysis of Alphavirus Capsid Protease	Shailly Tomar	01332-285849	shailfbt@iitr.ernet.in	Biotechnology	Indian Institute of Technology (IIT Roorkee)	37.97	3	DIPAS
31	An ensemble of Image Segmentation Algorithms for Medical and Aerial Images	S. Balasubramanian	08555-287235	badla@sssihl.edu.in	Mathematics and Computer Science	Sri Sathya Sai Institute of Higher Learning	41.40	3	ADE
32	Development and Characterization of Biopolymer Based Micro -Nano particle Systems for Controlled Drug Delivery Applications	K. Chowdoji Rao	8554255455	chowdojirao@gmail.com	Polymer and Technology	Sri Krishnadevaraya University	19.93	3	DRDE

33	Development of Gas Sensors for Toxicants of Defence Interest.	P.S. Patil	0231-2609230	psp_phy@unishivaji.ac.in	Physics	Shivaji University	17.28	3	DRDE
34	Development of Spinodal Bronze, bronze Matrix Composite and Functionally Gradient Bronze and Comparison of Their Mechanical and wear Properties	R. Sellamuthu	0422-2685000	r_sellamuthu@cb.amrita.edu	Mechanical Engg	Amrita Vishwa Vidyapeetham	14.20	3	DMRL
35	Development of Electrochemical Sensors for Food Analysis	Girish Kumar	0484-2575804/ 9847363660	giri@cusat.ac.in	Applied Chemistry	Cochin University of Science & Technology (CUSAT)	24.93	3	DFRL
36	Design, Synthetic and Characterization of Novel Lasing Organic Dyes (Blue, Green Region) Supported by Molecular Modeling Investigations for special Application	Y L N Murthy	0891-2844686 / 9849229804	murthyln@yahoo.co.in	Organic Chemistry and FDW	Andhra University	45.21	3	LASTEC
37	Assessments of solder Joint Reliability and Effect of cooling rate on Mechanical Properties of lead free solders	K. Narayana Prabhu	0824-2474000	prachukn_2002@yahoo.co.in	Met. And Mat. Engg	National Institute of Technology (NIT)	80.26	3	RCI
38	Development of Actinomycetes - based Mosquitocidal Biopesticide.	M. Gabriel Paulraj	044-28174348	entolc@hotmail.com	Entomology Research Institute	Loyola College	14.80	3	DRL
39	Secured Hybrid Parallel Routing Algorithm Using ANT Agents for MANETS.	K. R. Ramkumar	9444349280	krrn_2000@yahoo.com	Computer Science	Sri Venkateswara College of Engineering	12.23	3	CAIR

40	Development and characterization of Ionic Polymer Blend membrane Metal Composites (IPMS) for the Application of Actuation Devices	R.M. Mehra	9971271374	rammehra2003@yahoo.com	Engg and Technology	Sharda University	31.35	3	DMSRDE
41	Electronic Transport Properties of Boron Nano Ribbons for Sensor Applications.	Pankaj Srivastava	0751-2449814	pankja@iiitm.ac.in	Science & Technology	Computational Nanoscience and Technology Lab (CNTL) ABV- IIITM	20.14	3	DRDE
42	Experimental and Numerical Studies on Twist Extension Process of Aluminium Alloys Used in Aerospace Industries	V.S Senthil Kumar	044-22357738	vsskumar@annauniv.edu, vssk70@gmail.com	Mechanical Engg	Anna University	24.10	3	ADE
43	Nano Structured Silver Phosphate Glasses for Solid State Battery	N.B. Singh	----	----	Res. and dev. Centre	Sharda University	13.00	3	NMRL
44	Development of Drug delivery System for Oral Formulation of Anti Hyperglycemic With Anti Hypertensive Drugs	Jitendra B. Naik	(0257) 2258420/ 09422205671	NA	Chemical Technology	North Maharashtra University	21.33	3	DRDE
45	Biosorbents in the Heavy Metal Removal From the Industrial Effluents and Wastes	N. Muthulakshmi Andal	0452-2591255	drandalcbe@yahoo.co.in	Chemistry	PSGR Krishnammal College for Women	22.54	3	DRDE
46	Thin Vanadium Oxide and Nickel Oxide Films for Micro Bolometer	M. Sridharan	04362-264101-107	m.sridharan@ece.sastrs.edu	Nanotechnology and Advanced Biomaterials and Dept. of ECE	SASTRA University	35.47	3	SSPL
47	Friction Stir Processing of Cast Aluminium Alloys	K. Srinivasa Rao	0891-2844965/ 09866596714	arunaraok@yahoo.com	Metallurgical Engg	A.U. College of Engineering	34.57	3	DMRL

48	Poly (Cyclopenta[C] Chalcogenophene) and Related Polymers: Synthesis and Applications in Bulk Heterojunction Organic Photovoltaic Devices	Sanjio S. Zade	033-25873119 ext: 204/ 9432252067	sanjiozade@iiserkol.ac.in	Chemical Sciences	Indian Institute of Sciences Education & Research (IISER)	27.29	3	DL
49	Microbial Degradation of toxic Aromatic Compounds using Structural Biology Approach	Pravindra Kumar	----	----	Biotechnology	Indian Institute of Technology (IIT Roorkee)	41.27	3	DRDE
50	Design, Synthesis, Characterization of metallo Receptors for the Recognition of Anions of Environmental and Biological Relevance	Lallan Mishra	+91-542-6702449	lmishrabhu@yahoo.co.in	Chemistry	Banaras Hindu University (BHU)	37.95	3	CFEES
51	Synthesis and Development of Novel Oxime Reactivators of Cholinesterases Inhibited by Organo phosphorus Toxicants	Kallol Kumar Ghosh	0771-2263146/ 094252-16204	kallolkghosh@yahoo.com	Chemistry	Ravishankar Shukla University	40.14	3	DRDE
52	Synthesis of Lipophilic 4- Hetary-1, 4- Dihydropyridines: A potential Therapeutic Candidate to Combat Cardiovascular Diseases in Defence Personnel at High Altitude	Rakesh Kumar	----	----	Chemistry	Delhi University (Kirori Mal College)	37.20	3	DIPAS
53	Study of Soft Errors in 65nm Gate length CMOS SRAM and 30 nm Gate Length Fin FET Tunnel FET and Junction less FET Based SRAMs Using TCAD Simulations	R. Srinivasan	91-44-27474844/45/46 extn: 403	srinivasanr@ssn.edu.in	Information Technology	SSN College of Engineering	30.47	3	ANURAG
54	Immunology Analysis of Liver Glutathione and Transferases of Chick Embryo Under the stress of Cadmium and Acrylamide	K. Thyagaraju	----	----	Biochemistry	Sri Venkateswara University	14.80	3	DRDE

55	Development and validation of Defence Implicit Association Test and Guna Implicit Association Test	H.R. Nagendra	09342160422	hrn@vyasa.org	SVYASA	Yoga Anusandhan Samsthana (S-VYASA)	16.98	2	DIPAS
56	Growth and Characterization of new nonlinear Optical Stilbazolium crystal 4-N, N- Dimethylamino – 4-N-Methyl-Stilbazolium 2 naphthalenesulfonate (DSNS)	S Kalainathan	----	----	School of Advanced Studies	VIT University	21.65	3	IRDE
57	Studies on Pulsed Current GTA Welding and Friction Stir Wedling of Superalloy C276	N. Arivazhagan	0416 2202237/ 9443034794	narivazhagan@vit.ac.in	Mechanical and Building Science	VIT University	14.86	3	DMRL
58	Low Latency Approach for Inter tank Communication Using MIMO-MANET	K. Chanthirasekaran	044-32025765	ece_kc@yahoo.com	ECE	Anand Institute of Higher Technology	13.51	3	CAIR
59	Novel Biofilm Inhibitors Against Vibro Cholerae From Selected Plants: Isolation and Characterization	Sabu Thomas	4712529521	sabu@rgcb.res.in	Cholera and Environmental Microbiology Lab	Rajiv Gandhi Centre for Biotech National Institute Under Dept. of Biotech	24.97	2	DRDE
60	Synthesis and Isolation of Ferrocenyl Metal Selenoates and Their Application in Thin Film Preparation as Single Source Precursors	Sangit Kumar	9179572402	sangitkumar@iiserbhopal.ac.in	Chemistry	Indian Institute of Sciences Education & Research (IISER)	24.15	3	DMSRDE
61	Fault Diagnosis of Dynamics Mechanical Systems (Gear Box) Based on Signal Processing Using Machine Learning Techniques.	KI Ramachandran	0422-2685000	ki_ram@cb.amrita.edu	Mechanical Engg	Amrita Vishwa Vidyapeetham	29.86	3	CVRDE
62	Identifying anomalies in thermal camera Image- A Visual Cryptography approach.	K Ramar	0462-2487111	kramar_nec@rediffmail.com	Computer Science & Engg	Einsten College of Engineering	19.20	3	SAG

63	Investigation of Real-Time Intrusion Detection Systems in Wireless Adhoc Networks.	PC Kishore Raja	9444011815	pckishoreraja@gmail.com	ECE	Saveetha Engineering college	10.55	3	SAG
64	Analysis of Matalignment of Lower Limb as a Risk Factor for unorganised Physical training and exercises related Overuse Injuries in young adults	Ajai Singh	0941 502 2557	as29762@gmail.com	Orthopadic Surgery	Chatrapati Shahuji Maharaj Medical University (CSMMU)	10.80	3	DIPAS
65	Studies on Synthesis and Characterization of Nano-Structured "La _{1-x} Src Co _{1-y} Fey O _{3-δ} "	CH Bhosale	0231-2609435	chb_phy@unishivaji.ac.in	Physics	Shivaji University	14.98	3	NMRL
66	Fabrication of Nanostructured Multiferroic Thin Films and Multilayers for RT Electronic Device	Davinder Kaur	01332-285407	dkaurfph@iitr.ernet.in, dkaurfph@gmail.com	Physics	Indian Institute of Technology (IIT Roorkee)	47.99	3	SSPL
67	Development of Stimuli- Responsive Polymeric Hydrogels and Their Applications	Sk Dolui	9957198489	dolui@tezu.ernet.in	Chemistry	Tezpur University	30.66	3	DMSRDE
68	Investigation on Growth and Characterization of a Novel Organic nonlinear Optical Crystal Bis 4-dimethylamino-N-Methyl 4-Stillbazolium terephthanate (BADS-TP) suitable for terahertz wave generation	M Rathnakumari	044-26590579	mrathnakumari@yahoo.com	Physics	Velammal Engineering College	14.93	3	SSPL
69	Experimental and Theoretical Characterization of Specfic Nano Drug Delivering Fluorocarbon Emulsions Using Ultrasound	S Ravi	9842685410	suga ravi@yahoo.co.in	Physics	National College	14.77	3	INMAS
70	Alkali metal supported transition metal oxides as solid catalyst for the transesterification of jatropha and karanja oils	Amjad Ali	0175-2393832	amjadali@thapar.edu, amjad 2kin@yahoo.com	School of Chemistry and Biochemistry	Thapar University	19.00	2	DMSRDE

71	Enhancement of light absorption in thin film solar cells using photonic crystals	RS Dubey	08814/240588	rag_pcw@yahoo.co.in	Advanced Research Laboratory for Nanomaterials & Devices	Swarnandhra College of Engineering & Technology	17.41	2	IRDE
72	Numerical simulation of planar flow melt spinning process using CFD analysis and optimization process parameters for obtaining good quality amorphous ribbons of Fe-Si-B alloys	T Kishen Kumar Reddy	9885196843	reddykishen@yahoo.com	Mech. Engg	Jawaharlal Nehru Technological University (JNTU Hyderabad)	26.85	3	DMRL
73	Synthesis and Characterization of Bismuth Titanate (BIT) – Calcium Copper Titanate (CCTO) Nanocomposite Materials for Patch Antenna Applications.	A Marikani	04562-235690/ +91-9442775728	amari@mepcoeng.ac.in	Physics	Mepco schlenk engineering college	9.98	2	LRDE
74	Investigation on the Effect of FSW Process Parameters on Metallurgical and Corrosion Properties of Navel Grade steels.	N Murugan	0422-2574071/ 9751824123	murugan@cit.edu.in, drmurugan@hotmail.com	Mechanical Engineering	Coimbatore Institute of Technology	18.66	2	NMRL
75	Medicinal Plants- their Role in Wound Healing and Regeneration	Anusha Bhaskar	0431-2906101/ 73737 40677	anushaparthiban@gmail.com	Biotechnology	PRIST University	17.00	2	DIPAS
76	Securing AODV Based MANET	Revathi Venkataraman	9444084661		Computer Science and Engineering	SRM University	10.24	1	CAIR
77	Design and Development of Conformal Antenna Array for Avionics Application	B. Manimegalai	04522482240, 09865191244	naveenmegaa@tce.edu	ECE	Thiagarajar College of Engineering	17.53	2	DEAL
78	Technological and Engineering Challenges in realization of Load Ferrying Robots as Soldier-Assist Systems.	Dipankar Sanyal	03324146177, 9831483461	dipans26@gmail.com	Mechanical Engineering	Jadavpur University	6.50	4M	DFTM