

CLOSED PROJECT FINANCIAL YEAR 2016-17

SI No	TITLE	PI	PHONE	EMAIL	DEPT	INST	COST	PDC	DOMAIN LAB
1	Synthesis & Characterization of nano powder	Ram Gopal	-----	-----	Physics	Allahabad university	31.50	3	SSPL
2	Synthesis of Novel Natural Product Hybrid Molecules as Potential Anti-HIV Agents.	A Ilangovan	9865436093	ilangovana@yahoo.co.uk	Chemistry	Bharathidasan University	51.18	3	LASTEC
3	Studies on Synthesis and Characterization of Nano-Structural La _{1-x} Sr _x Co _{1-y} FeyO ₃₋₈	Dr.C.H. Bhosale	9890694409	lataekal@yahoo.com	Physics	Shivaji University	14.98	3	NMRL
4	Neural Network Based Visual Motor Coordination of a 7DOF Redundant Manipulator and FPGA Implementation of Neural Control Algorithms	Laxmidhar Behera	0512-2597198	lbehera@iitk.ac.in	Electrical Engg.	Indian Institute of Technology (IIT Kanpur)	48.94	3	CAIR
5	Synthesis, Characterization and Properties of Single Walled Carbon Nanotubes	O.N. Srivastava	0542-2368468	hepons@yahoo.co.in	Physics	Banaras Hindu University (BHU)	124.92	3	SSPL
6	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 science	Devi Ahilya Vishwavidyala	17.20	3	DRDE

7	Studies of Different Biomaterials and their adherence properties to various surfaces leading to designing of Si-MEMs based biosensor for detection of a wide range of pollutants.	Shanthy Sundaram	+91-0532-2606169	shanthys@rediffmail.com	Biotechnology	Allahabad university	13.80	2	SSPL
8	Preparation and Characterization of TIN(IV) Oxide Nanoparticles for Gas Sensor Applications	N. Dharamraj	0422-2428316	dharamraj67@yahoo.com	Chemistry	Bharathiar University	14.00	3	DEBEL
9	Nanoparticle- Natural Bio Molecule Based Nanocomposite for Visible & Near IR Sensitive, High Current Photoconductive Device Fabrication	Prof. D. Mangalaraj	0422-2428444/9994753022	de.natraj@gmail.com	Physics	Bharathiar University	22.23	2	SSPL
10	Investigation of Structural, Magnetic and Transport Properties of Doped Nanomagnetism and Multiferroic Materials	RK Singh	+91-771-4078995/ +91-9893623490	vcrksingh@yahoo.com, vcrks@rediffmail.com	School of Basic Science	Institute of Technology and Management University (ITM University)	16.03	2	DMRL
11	Studies on Validation and Standardization of selected Herbal Adaptogens	P. Brindha	9443330487	drbrindha@sebt.sastra.edu	Chemical and Biotechnology	SASTRA University	15.66	2	DIPAS
12	Study of the High Cycle Fatigue (HCF) Behavior of Beta Titanium Alloy Ti15-3	Geetha Manivasagam	0416 2202295/96, 9840896296	geethamanivasagam@vit.ac.in	Mechanical and Building Science	VIT University	15.09	3	DMRL

13	Study of Hot-Salt Stress Corrosion Cracking Behaviour of Gas Turbine Materials.	V.S. Raja	022-2576 7892/ 9869769984	vsraja@iitb.ac.in	Metallurgical Engg and Material Science	Indian Institute of Technology (IIT Bombay)	191.52	3	GTRE
14	Investigation of Distributed Generation System Integration strategies on a Laboratory Scale Microgrid.	Elizabeth P. Cheriyan	04952286312/ 09387878866	epc@nitc.ac.in	Electrical Engg	National Institute of Technology (NIT)	7.00	3	NPOL
15	Prediction for Visual Surveillance using static Camera	Nishchal Kumar Verma	+91-512 (392 or 259) 6524	nischal@iitk.ac.in	Electrical Engg	Indian Institute of Technology (IIT Kanpur)	40.00	3	ADE
16	Fabrication and Characterization of a Porous Silicon and its Application as an optical Biosensor.	Vivekanand Mishra	02612201760/ 91972355549 1	vive@eced.svnit.ac.in	Electronics Engg.	Sardar Vallabhbhai National Institute of Technology (SVNIT)	30.00	3	DRDE
17	Fabrication and Characterization of TiO ₂ Nano Rod Based Dye Sensitized Solar Cells (DSSC)	Manoj Kumar	9723275058	manoj.kumar@iptg.ac.in	School of Solar Energy	Pandit Deendayal Petroleum University	18.74	3	SSPL
18	Reduction of EMI Emission in High Frequency Circuits of PCB Configurable by optimization techniques	N. Suresh Kumar	0452-2465289	principal@vcet.ac.in	Electronics and Communication Engg	Velammal College of Engineering and Technology	21.21	3	LRDE
19	Investigation of thin film of Novel High Curie Temperature Chalcopyrite DMS for Spintronics Applications	C. Venkateswaran	01332-285849	shailfbt@iitr.ernet.in	Material Science Centre Nuclear Physics	University of Madras	32.00	3	DMRL

20	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
21	Design, Synthesis and Characterization of Novel Fluorinated Phosphorus and Nitrogen Containing Compounds used as potential Fire Extinguishants	Rishi Pal Singh	011-24112196	rpsingh54@gmail.com	Chemistry	Delhi University (Sri Venkateswara College)	39.50	3	CFEES
22	First Principles study on local atomic structure Magnetic Ordering and interface effects in exchange coupled multilayer systems	P. Murugan	04565-227750	murugan@cecri.res.in	Functional materials Division	Central Electrochemical Research Institute (CECRI-CSIR)	14.90	3	DMRL
23	Development of Light Weight in situ Metal Inter metallic Laminates for Defence Applications	K. Siva Prasad	0183-2258820	balwinderrandhawa@yahoo.co.in	Met. and Mat .	National Institute of Technology (NIT)	56.15	3	DMRL
24	Development of Heusler Alloys Based Thin Films for Magneto Caloric and Spintronic Applications	A. Srinivasan Professor	3612582712	asrini@iitg.ernet.in	Physics	Indian Institute of Technology (IIT Guwahati)	34.92	3	DMRL

25	Study of Coorelation Between Processing Microstructure, Microtexture and Property in a High Strength Deep Hardenable Beta Titanium Alloy. Ti – 5Al-5Mo-5V-3Cr-0.6Fe (Ti- 5553) for Aircraft Structural Applications	Sujoy Kumar kar	3222283258	sujoy.kar@metal.iitkgp.ernet.in	Metallurgical and Materials Engg	Indian Institute of Technology (IIT kharagpur)	37.00	3	DMRL
26	Poly (Cyclopenta[C] Chalcogenophene) and Related Polymers: Synthesis and Applications in Bulk Heterojunction Organic Photovoltaic Devices	Sanjio S Zade	033-25873119	sanjiozade@iiserkol.ac.in	Chemical science	IISER	27.29	3	DMSRDE
27	Design, Synthesis, Characterization of metallo Receptors for the Recognition of Anions of Environmental and Biological Relevance	Lallan Mishra	91-542-6702449	imishrabhu@yahoo.co.in	Chemistry	BHU	37.95	3	CFEES
28	Analysis and Characterization of Silicon Gate All Around Nanowire MOSFET for ULSI (Ultra Large Scale Integration) Circuit Application	R.S. Gupta	9810458959	rsgupta1943@gmail.com	ECE	Maharaja Agrasen Institute of Technology	30.62	3	SSPL
29	Design and Development of Undulator Technology for Free Electron Laser	Ganeswar Mishra	0731-2467028/ 098933-98807	gmishra_dauniv@yahoo.co.in	Physics	Devi Ahilya Vishwavidyala	32.00	3	MTRDC

30	Development and validation of Defence Implicit Association Test and Guna Implicit Association Test	H R Nagendra	9342160422	hnm@vyasa.org	SUVASA	Yoga Anusandhan Samasthana	16.98	2	DIPAS
31	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
32	Development of an all Inorganic Solar Cells High Efficiency using Quantum Dots as Active Materials	Sameer Sapra	----	----	Chemistry	Indian Institute of Technology (IIT Delhi)	57.51	3	SSPL
33	Study of Alkaline Earth Metals Substitution in Bismuth Based Mixed Ion Conductors for Solid Oxide Fuel Cell Application	Kulvir Singh	----	----	School of Physics and Material Science	Thapar University	14.42	3	NMRL
34	Synthesis of Pure and Mixed Ferrites form the Solution Combustion and precursor Methods - A Comparative Study	B S Randhawa	----	balwinderrandhawa@yahoo.co.in	Chemistry	Guru Nanak Dev University	25.52	3	NMRL
35	Design and Development of low Cost Plastic Devices for Electronics and Photonic Application	P Chakrabarti	5422307010	pchakrabarti.ece@itbhu.ac.in	Electronic Engineering	BS Abdur Rahman University	38.09	3	SSPL
36	Investigation of Magnetolectric Coupling in Lead Free Based Magnetolectric Composites for Sensor Applications.	Saket Asthana	040-23016067	asthanas@iith.ac.in	Physics	Indian Institute of Technology (IIT Hyderabad)	35.87	3	DMRL

37	Development of Organic Polymer Nanocomposites using Inorganic Polymer as Compatibiliser.	Vishal Kumar	7607194006	cipetko@gmail.com, cipetko@satyam.net.in	Engineering	Central Institute of Plastic Engineering and Technology (CIPET)	43.06	3	ASL
38	Design and Development of Bismuth Ferrites Based Multiferroic Polymer NanoComposites for Multifunctional Applications	RNP Choudhary	674-2555977	crnpfl@gmail.com, rnpchoudhary@iter.ac.in	Physics	Institute of Technical Education & Research (ITER)	29.04	3	DL
39	Fabrication of Nanostructured Multiferroic Thin Films and Multilayers for RT Electronic Device	Davinder Kaur	01332-285407	dkaurfph@iitr.ernet.in	Physics	IIT Roorke	47.99	3	SSPL
40	Development of Stimuli-Responsive Polymeric Hydrogels and Their Applications	SK Dolui	9957198489	dolui@tezu.ernet.in	chemistry	Tezpur University	30.66	3	DMSRDE
41	Biomarkers of Heat Stress	S Nanda	1124332156	sarita_nandal123@hotmail.com	Biochemistry	Delhi University (Daulat Ram College)	31.82	3	DIPAS

42	Investigation on Growth and Characterization of a Novel Organic nonlinear Optical Crystal Bis 4-dimethylamino-N-Methyl 4-Stilbazolium terephthanate (BADS-TP) suitable for terahertz wave generation	M Rathnakumari	044-26590579	mrathnakumari@yahoo.com	physics	Velammal engineering college	14.93	3	SSPL
43	Synthesis and Characterization of Corrosion Resistant semiconducting electrode for Photo Electrochemical Applications	Rachel Oommen	0422-2443456	rachel12in@yahoo.co.in	Physics	Avinashilingam Institute for Home Science and Higher Education for Women	47.13	3	SSPL
44	Nanostructured Thin Films of Composites Synthesized by Spray Coating Technique for Corrosion and Wear Resistance Applications	M Sivakumar	0422-2656422	m.sivakumar@cb.amrita.edu	Science	Amrita Vishwa Vidyapeetham	27.14	3	DMRL
45	Numerical simulation of planar flow melt spinning process using CFD analysis and optimization process parameters for obtaining good quality amorphous ribbons of Fe-Si- alloys	T Kishen Kumar Reddy	9885196843	reddykishen@yahoo.com	Mech. Engg	JNTU Hyderabad	26.85	3	DMRL
46	Studies on the Development of Stereolithography (rapid prototyping) Based Composites for Unmanned Air Vehicle Related Applications	K Elangovan	080-25618799	drelangovank@gmail.com	Mechanical Engg	Cambridge Institute of Technology	14.43	2	GTRE

47	Electrochemical Biosensor for the Detection of Biological Weapon.	Harish Kumar	09996745670/ 0666247136	harimoudgil1@yahoo.co.in	Chemistry	Ch Devi Lal University	22.57	3	DRDE
48	Design and Synthesis of New Molecules for Detection of Chemical Warfare Agents and for the Reactivation of Enzymes inhibited by Organophosphonates.	Ramesh Ramapanicker	0512-2596684/ 09621745928	rameshr@iitk.ac.in	Chemistry	Indian Institute of Technology (IIT Kanpur)	25.50	3	DRDE
49	Characterization of Zirconium Oxide and Zirconium Nitride Nano Coated AZ91D Magnesium Alloy by Physical vapour Deposition Method	M. Sivapragash	04651-250462, 09443094344	mspragash@rediffmail.com	Mechanical Engineering	Noorul Islam Centre for Higher Education	11.02	2	GTRE
50	Techniques for Security on Adhoc Networks	N.R. Sunitha	(0816) 2214005, 9986276851	nrsunitha@sit.ac.in, nrravisit@gmail.com	Computer Science & Engineering	Siddaganga Institute of Technology	9.61	2	CAIR
51	Development of Sintered Titanium based hybrid Composite with Nano Dispersed Boron Carbide	N. Selvakumar	9443867775, 04562-235641	nselva@mepcoeng.ac.in	Mechanical Engineering	Mepco schlenk engineering college	11.28	2	DMSRDE
52	Designing of Nanostructure Containing Textile Materials With Potential UV Radiation Protective Performance for Defence Personals of High Altitude Areas.	A.K. Bajpai	09425325699	akbmr1@yahoo.co.in, akbajpaia1b@yahoo.co.in	Chemistry	Govt. Model Science College	14.82	2	DIHAR

53	Design and Development of Automated Object Detection and Classification Algorithm in Hyperspectral Images for Battlefield Surveillance System	S. Vasuki	09442269027	hello_vasuki@yahoo.co.in	Electronics and Communication Engineering	Velammal College of Engineering and Technology	18.86	2	DEAL
54	Fabrication of Polymer Micro Molds for MEMs Biosensors Using Soft Lithography Technique.	L. Sujatha			Electronic & Communication Engineering	Rajalakshmi Engineering College	21.69	2	SSPL
55	Modeling, Simulation of Control Actuation System.	R. Arulmozhiyal	0427-4099725/ 9443514485	arulmozhiyal@gmail.com	Electrical and Electronics Engineering	Sona College of Technology	11.04	1	ARDE
56	Effect of Ternary Addition on Ductility of Aerospace Materials A Theoretical Approach.	M. Sundareswari	044-24501644/ 9840477004	sund_uday@yahoo.co.in, sundare65@gmail.com	Physics	Satyabama University	11.49	2	DMRL
57	Steganographic Algorithm Detection on Low Volume Payloads	S. Arivazhagan	NIL	NIL	ECE	Mepco schlenk engineering college	11.10	2	SAG
58	Predictive Threat Evaluation in Complex IT Systems	M. Sethumadhavan	0422268500/ 9943984421	m_sethu@cb.amrita.edu	Mathematics and Computer Science	Amrita Vishwa Vidyapeetham	24.18	1Y 6M	SAG
59	Application of Unmanned Combat Aerial Vehicles in the Indian Context	Vinod Patney (Retd)	9810521610	capsnetdroff@gmail.com		Centre for Air Power Studies (CAPS)	18.50	1	SAM

60	Technological and Engineering challenges in realizatioin of Load Ferrying Robots as Soldier Assist Systems	Dipankar Sanyal	9831483461	dipans26@gmail.com	Mechanical Engg	Jadavpur University	6.50	4M	DFTM
61	Feasibility Study of Development of Minesweeping Robot: Design and Technological Challenges.	Jyotirmoy Saha	03324146153, 09432141410	jmoysaha@yahoo.co.in	Production Engg.	Jadavpur University	6.40	4 M	DFTM
62	Synthesis of novel CL-20 and its derivatives	Baskaran				Indian Institute of Technology (IIT Madras)	18.94	1	HEMRL