

**PROJECT CLOSED IN FINANCIAL YEAR 2019-20**

SL No	TITLE	PI Name	Phone	Email	Department	Institute	Cost ( In Lakhs)	PDC ( Month)	Domain Lab
1	Application of Carbon Nanotubes and Carbon Beads Composite As Microwave Absorber	Maheshwar Sharon	0251-2470010/ 09821238584	sharon@iitb.ac.in, sharnomaheshwar@gmail.com	NSN Research Centre	SICES College of Arts Science & Commerce	17.04	36	DMSRDE
2	Proteomics of Excessive Production of Artemisinin From High Yielding Varieties of Artemisia Annu Co-Cultivated With a Novel Symbiotic Fungus	Ajit Verma	0120-4392132/ 9810899562/ 9717180098	ajitvarma@aihmr.amity.edu	Amity Institute of Microbial Technology	Amity University	14.87	24	DRDE
3	Centre of excellence "Advanced Centre for Research in High Energy Materials (ACRHEM) – Phase II (COE)	S.P. Tewari	040-23012801, 23134303, 09440696424	pic_acrhem@uohyd.ernet.in	High Energy Materials	University of Hyderabad	5,700.00	60	
4	DRDO- DIAT Pune Programme on Nano Materials	Sangeeta kale	0-9766483726	prashantalegaonkar@diat.ac.in	Engineering	Defence Institute of Advanced Technology (DIAT)	4,300.00	60	
5	Optical and Electrical Modeling of Thin Film Organic Solar Cells for Efficient Solar Spectrum Harvesting	Sanjay Tiwari	09424225771	stiwari@ieee.org	Electronics	Pt. Ravishankar Shukla University	26.10	36	SSPL
6	Study and Development of Multi Layer and Frequency Selective Surfaces for Application of Radar Wave Absorption.	Dharmendra Singh	01332285695/ 09897060088	dharmfec@iitr.ernet.in	Centre of Nanotechnology	Indian Institute of Technology (IIT Roorkee)	93.12	36	ADE
7	Laser Based Calibration Methodology for Thermal Sensors in Combustion Measurements	Niranjan Sahoo	(0361) 2582665	shock@iitg.ernet.in	Mechanical Engineering	Indian Institute of Technology (IIT Guwahati)	12.40	24	SSPL

8	Bio fuel production via hydrodeoxygenation using Ni-Mo/Nanoporous Silica-Alumina / catalysts	K. Shanthi	044-22358654/ +91-9840146642	kshanthiramesh@yahoo.com	Chemistry	Anna University	33.80	36	DIBER
9	Testing of micro-optics using digital holographic interferometry.	Gufran Sayeed Khan	9810946902/ 91-11-2659-1432	cshakher@iddc.iitd.ac.in, cshakher1949@hotmail.com	Instrument Design Development Centre	Indian Institute of Technology (IIT Delhi)	45.32	30	IRDE
10	Nanometal-Ceramic-Polymer Composites for High Energy Density and Embedded Capacitors Applications	Pawan Kumar	0661-2462726	pawankumar@nitrkl.ac.in, pvn77@rediffmail.com	Physics	Indian Institute of Technology (IIT Rourkela)	47.96	36	NMRL
11	Development of High Speed RCS Computation Scheme	Dhruba Charan Panda	9437887147	dcpanda@gmail.com	Electronics Science	Berhampur University	27.67	36	DLJ
12	Development of direct hydrocarbon solid oxide fuel cell	Suddasatwa Basu	09811503704	sbasu@chemical.iitd.ac.in	Chemical Engineering	Indian Institute of Technology (IIT Delhi)	122.22	36	NSTL
13	Development of inherent flame-retardant thermal insulation layer for extreme cold weather clothing	R S Rengasamy	9891470890	rsrengasamy@gmail.com	Textile Technology	Indian Institute of Technology (IIT Delhi)	36.61	36	DEBEL
14	Development of digital holographic technique for the characterization of micro-Optical components.	Anitha Nelleri	044 39931078, 09498026567	anith.nelleri@vit.ac.in	School of Electronics Egg.	VIT University	28.19	36	IRDE
15	Algorithms for Blind Signal Detection and Demodulation.	Sandeep Kumar Yadav	0291-2449022, 9414094607	sy@iitj.ac.in	Department of Electrical Engineering/ICT	Indian Institute of Technology (IIT Jodhpur)	55.24	36	SAG
16	Durability of High Performance Nano Adhesive Bonding of Aluminium under Aerospace Environments	Shantanu Bhowmik	0422-2685504, 9489959446	b_shantanu@cb.amrita.edu	Dept. of Aerospace Engineering	Amrita University	54.92	36	ADE

17	An Indigenous framework for Authenticity, Integrity and Non-Repudiation in Data Communication.	Sudip Misra	03222-282338, 9734880277	sudipm@iitkgp.ac.in	Information Technology	Indian Institute of Technology (IIT Kharagpur)	60.41	36	SAG
18	Leakage Current in Tunable Thin Films and its Effect on their Microwave Characteristics: Growth of Films, Characterization and Analysis.	K.C. James Raju	040-23134305, 9441917858	kcjrsp@uohyd.ernet.in, kcjrsp@yahoo.com	School of Physics	University of Hyderabad	48.86	24	DMRL
19	Energy-Efficient Intruder Detection Schemes for WSN using Learning-Based Techniques.	Chiranjeev Kumar	0326-2235489, 9431125793	kumar.c.cse@ismdhanbad.ac.in	Computer Science & Engineering	Indian Institute of Technology (IIT Dhanbad) / Indian school of mines	28.52	36	CAIR
20	Enhancement of corrosion resistance of high nitrogen steel weldments.	K. Srinivasa Rao	0891-2844971, 9866596714	arunaraok@yahoo.com	Metallurgical Engineering	A.U. College of Engineering	34.00	36	DMRL
21	Security analysis of graph theoretic, cluster based routing algorithms in sensors networks.	C. Porkodi	0422-2572177, 9751509771	cpg@mat.psgtech.ac.in	Mathematics	PSG College of Technology	19.00	36	SAG
22	Strategy for alleviation of micronutrient malnutrition through phytic acid removal and micronutrient re-mobilization in wheat grains.	Tanushri Kaul	011-26742962, 9999966205	reddy@icgeb.res.in	Plant Molecular Biology	International Centre for Genetic Engineering & Biotechnology	32.26	36	DRL
23	Development of cost-effective 3-axis intelligent platform stabilization system.	Ashok S	0495-2286301, 9446647271	ashoks@nitc.ac.in	Electrical Engineering	National Institute of Technology (NIT)	37.00	36	IRDE
24	Development of Process for carboxylated butadiene nitrile latex.	K. I. Suresh	27191447, 9652470482	kisuresh@iict.res.in	Polymers & Functional Materials Division	CSIR - Indian Institute of Chemical Biology	41.52	12	HEMRL

25	Development of cheminformatics portal for assessment of novel high performance energetic materials.	M. Karthikeyan	+91202590 2483, 9767427981	m.karthikeyan@ncl.res.in	Physical Chemistry Division	National Chemical Laboratory	42.01	36	HEMRL
26	Design and cryptanalysis of protocols of secure quantum communication.	Anirban Pathak	0120-2594361, 9717066494	anirban.pathak@jiit.ac.in & anirban.pathak@gmail.com	Physics & Materials Science & Engineering	Jaypee Institute of Information Technology University (JIITU)	34.60	36	SAG
27	Development of adhesive technology for bonding of acrylo-nitrile butadiene rubber (NBR) sheets with anodized aluminum alloy substrates for airborne applications.	Ajay Kumar Tyagi	011-27667267, 27667860, 09891955044	aktyagi@shriraminstitute.org	Material Science Division	Shri Ram Institute for Industrial Research	15.85	18	DLJ
28	Development of a hand gesture based interface system for remote controlled surveillance mobile robot.	Samit Ari	6612462464, 9776411475	samit@nitrrkl.ac.in & samit.ari@gmail.com	ECE	National Institute of Technology (NIT)	28.60	36	CAIR
29	Intelligent real time situation awareness and decision support system for Indian defence.	Sarika Jain	01744-233540, 08950777202	jasarika@nitkkr.ac.in	Computer Application	National Institute of Technology (NIT)	40.52	24	ISSA
30	Simulation and modelling of GaN HEMTs for MMIC applications.	Arun Kumar Singh	0172-2753766, 09417429699	arunkumar.singh@outlook.com & arun@pec.ac.in	Electronics & Communication Engineering	PEC University of Technology	31.84	24	SSPL
31	Studies in Cellular Automata with its Applications on Cryptography.	B. Paramasivan	04632-222502, 9442522764	bparamasivan@yahoo.co.in	Computer Science and Engineering	National Engineering College	12.20	24	SAG
32	Physics Based Modeling Simulation and Electrical Characterization of Quantum Effects in Multigate MOSFETs.	P. Vimala	080-42161731, 8095762386	ervimla@gmail.com	Electronics and Communication Engineering	Dayananda Sagar College of Engineering (DSCE)	17.00	36	SSPL

33	A compact modeling of GaN based HEMT device for high power microwave application.	D. Nirmal	4222614300, 9789498810	nirmal@karunya.edu	Electronics and Communication Engineering	Karunya University	21.98	24	SSPL
34	Multi Object Tracking in the Presence of Occlusion in Aerial Image Sequences	Krishnan Rangarajan	8042161725, 9844264071	krishnanr1234@gmail.com	Information Science and Engineering	Dayananda Sagar College of Engineering (DSCE)	22.07	24	ADE
35	An adaptive classifier for unbalanced evolving streams: an application to fraudulent data streams.	T. Maruthi Padmaja	9440568235	padmaja.tu2002@gmail.com	Computer Science & Engg.	Vignan's Foundation for Science, Technology and Research (VFSTR) University/ Vignan's University	9.10	24	CAIR
36	Large signal field analysis of an O-Type travelling wave amplifier using a Tape-Helix model for the slow-wave circuit.	G. Naveen Babu	7358020202	naveen.babu@snu.edu.in	Electrical Engineering	Shiv Nadar University	12.14	24	MTRDC
37	Modeling and simulation of drive by wire system for tracked vehicles	Ashokan				Indian Institute of Technology (IIT Madras)	28.71	24	CVRDE
38	Development and characterization of solid propellants to mitigate combustion instability	SR Charkravorthy				Indian Institute of Technology (IIT Madras)	74.23	36	DRDL
39	Indigenous 64 bit microprocessor design	Kamakoti				Indian Institute of Technology (IIT Madras)	353.00	60	ANURAG