

**SANCTION OF FINANCIAL YEAR 2018-19**

SL No	TITLE	PI NAME	PHONE	EMAIL	DEPT	INSTT	COST	PDC	DOMAIN LAB
1	Development of novel carbon nanotube/polymer nanocomposite materials for EMI applications.	S. Ramana Murthy	09391046680	ramanasarabu@gmail.com	Electronics and communication Engg.	Geethanjali College of Engineering and Technology	45.81	3	DMSRDE
2	Development of fatigue life prediction models of carbon fiber epoxy composites by model testing.	V. V. Kulkarni	0230-6452333, 9011050145	kulkarni.vv@sginstitute.in	Mechanical Engineering	Sanjay Ghodawat Group of Institutions	26.80	2	DMRL
3	Synthesis and growth of large area crystalline monolayer graphene.	O. N. Srivastava	0542-2368468, 09415228123	heponsphy@gmail.com	Physics	Banaras Hindu University (BHU)	70.37	3	SSPL
4	Advanced high temperature oxidation resistant titanium aluminide intermetallics with rare earth additions.	G. S. Reddy	08415-200595/ 96/ 97, 7382115893	gsreddy@sreenidhi.edu.in & gsreddy29@gmail.com	Mechanical Engineering	Sreenidhi Institute of Science & Technology,	47.13	3	DMRL
5	Semantic analysis and opinion mining in the Open Data-Phase-II.	P. Prabakaran	0476-280-4529, 9496007415	praba@am.amrita.edu	School of Engineering	Amrita University	647.41	3	
6	Intelligence Power management system for monitoring, diagnosis & prognostics of Electric loads in Armoured Fighting Vehicles. (RIC)	Babji Srinivasan	7600030106, 7923972586	babji.srnivasan@iitgn.ac.in	Electrical Engineering	Indian Institute of Technology (IIT Gandhinagar)	65.41	2Y 6M	VRDE
7	Development of Materials for sodium-ion-batteries.	V. S. Raja	022-2576 7892,9869769 984	vsraja@iitb.ac.in	Metallurgical Engineering & Material Science	Indian Institute of Technology (IIT Bombay)	26.51	2	NMRL

8	Active radar absorber based on frequency selective surfaces: Active Stealth Technology.	Kumud Ranjan Jha	1991-285634-2329, 9419215338	jhakr@rediffmail.com & kumudranjan1973@gmail.com	Electronics and Communication Engineering	Shri Mata Vaishno Devi University	22.87	2	DLJ
9	Studies on laser-GMA-hybrid welding of maraging steel MDN 250.	N. Arivazhagan	0416 2202237, 9994097854	narivazhagan@vit.ac.in	School of Mechanical Engineering	VIT University	19.21	3	DMRL
10	Prediction of the properties of intermetallic compounds combining Atom-Pair bond approach with DFT computations.	V. Seshu Bai	04023010241, 9440176443	seshubai@gmail.com	School of Physics	University of Hyderabad	46.81	3	DMRL
11	Design and Development of a multi purpose reversible data hiding in wavelet domain for defense applications.	Thanikaiselvan V	04162202437, 8807717720	thanikaiselvan @vit.ac.in	Communication Engg. Division	VIT University	18.72	2	SAG
12	Development of new biopolymeric functionalized resins, nanocomposites/hybrid materials for the removal of heavy metals ions.	S. Meenakshi	451-2452371	drsmeenakshi@gmail.com	Chemistry	Gandhigram Rural Institute	54.83	3	DLJ
13	Development of non-lead based magnetoelectric nanocomposite films with high magnetoelectric coupling.	Puneet Sharma	0175-2393116, 09779533474	puneet.sharma@thapar.edu	Physics & Materials Science	Thapar University	35.32	3	SSPL
14	Defining developments in microstructure and residual stresses in bulb bar manufacturing: A combined physical and numerical simulation approach.	Shyamprasad Karagadde	02225767398, 07506937398	s.karagadde@iitb.ac.in	Mechanical Engineering	Indian Institute of Technology (IIT Bombay)	71.34	3	DMRL
15	Active steganalysis to extract secrets from low volume payloads.	S. Arivazhagan	04562-235101, 9442775282	sarivu@mepcoeng.ac.in & s_arivu@yahoo.com	ECE	Mepco schlenk engineering college	32.01	2	SAG
16	Developing luminescent p-type 1,2,3-Triazole functionalized $\pi$ -conjugated polymers for detection of trace nitroaromatic explosives.	Sanjib Kumar Patra	03222/283338	skpatra@chem.iitkgp.ernet.in	Chemistry	Indian Institute of Technology (IIT kharagpur)	41.25	3	HEMRL

17	Development of corrosion resistant hydrophobic coatings for the protection of structural components under saline water applications.	Ramesh Chandra	01332285743, 9897031912	rameshfic@iitr.ac.in	Institute Instrumentation Centre	Indian Institute of Technology (IIT Roorkee)	75.24	3	NMRL
18	Ultrafast joule heating induced defect healing and in-situ activation of spontaneously assembled graphene network for wearable energy storage.	Uday Narayan Maiti	03612583559, 08399853761	udaymaiti@iig.ernet.in	Physics	Indian Institute of Technology (IIT Guwahati)	21.18	3	DMSRDE
19	Development of Mesoporous Silica (or Alumina)- SiC- metal nanoparticle based nanocomposites for Radar Absorption application at High Temperature.	Narendra Nath Ghosh	08322580318, 9823206119	naren70@yahoo.com & nghosh@goa.bits-pilani.ac.in	Chemistry	Birla Institute of technology & Science (BITS)	15.13	3	DMSRDE
20	Designing GNM/hBN- quantum dot based hybrid photo detectors.	Penchalaiah Palla	9486840567, 416-2240995	penchalaiah.palla@vit.ac.in	Center for Nanotechnology Research	VIT University	12.74	2	SSPL
21	Fabrication of high quality nanostructured piezoelectric thin films for MEMS devices.	Davinder Kaur	01332 285407, 285474, 09760031912	dkaurfph@iitr.ac.in & dkaurfph@gmail.com	Physics	Indian Institute of Technology (IIT Roorkee)	49.05	3	SSPL
22	Development of single crystalline gallium oxide (Ga <sub>2</sub> O <sub>3</sub> ) growth technology for power devices applications.	S. Moorthy Babu	0091-44-2235 8333/8316	smoorthybabu@gmail.com, babu@annauniv.edu	Crystal Growth Centre	Anna University	144.48	3	SSPL
23	Recovery of germanium as metal/salts from secondary resources	Manis Kumar Jha	+91-657-2345302, 9430185563	mkjha@nmlindia.org	Metal Extraction & Recycling Division	National Metallurgical Laboratory (Council of Scientific & Industrial Research) NML-CSIR	39.27	2	SSPL
24	Design and development of dynamic secret key generation schemes for physical layer security.	R. Ramanathan	+91-2685721, 9843428800	r_ramanathan@cb.amrita.edu	ECE	Amrita Vishwa Vidyapeetham	22.21	2	SAG

25	Development of high performance materials for various defence related applications.	Rahul Mitra	(03222) 283292, 9434034270		Metallurgical and Materials Engg.	Indian Institute of Technology (IIT kharagpur)	442.45	3	DMRL
26	Applied design studies on HPM oscillator-MILO.	P.K. Jain	+91-612-2371715	director@nitp.ac.in	Electronics Engineering	National Institute of Technology (NIT)	90.68	3	MTRDC
27	Green Chemistry approach, for the synthesis of smart nanostructures using ultrasonic cavitation technique with study of particle formation mechanism and their application in specialty polymers.	Navinchandra Gopal Shimpi	022-26543575	navin_shimpi@rediffmail.com	Chemistry	University of Mumbai	45.33	3	CFEES DMSRDE
28	Analysis and application of nano thermal barrier coatings to reduce heat rejection of heavy duty diesel engine.	G. Sakthinathan			Automobile Engg.	Anna University	234.62	3	CVRDE
29	Development of Diamond Coating Technology for Tribological Performance of Components for Defence Applications.	N. Arunachalam			Mechanical Engineering	Indian Institute of Information Technology (IIIT)	298.02	3	CVRDE
30	Fabrication of ultrathin MoTe <sub>2</sub> / MoS <sub>2</sub> heterostructure based infrared detector by chemical vapor deposition technique.	Jyoti Prakash Kar	0661-246-2732, 09438532157	karjp@nitrrkl.ac.in	Physics and Astronomy	National Institute of Technology (NIT)	44.30	3	SSPL
31	Fabrication of lamb wave devices on SiO <sub>2</sub> / Si membrane for strategic applications.	Vinay Gupta	9811563101, 9811563101	vgupta@physics.du.ac.in & drguptavinay@gmail.com	Physics and Astrophysics	Delhi University	428.03	3	SSPL
32	To conduct a feasibility study on conclave of DRDO-BARC-ISRO Scientists.	JC Kapoor	9818809159	j.chander.k@gmail.com	IDST	Institute of Defence Scientists & Technologists (IDST)	2.00	2M	

33	Ageing studies and estimation of thermal properties of liner materials.	Pralay Maiti	9935141321	pmaiti.mst@itbhu.ac.in	School of Materials Science and Technology	Indian Institute of Technology (BHU) Varanasi	156.85	2	DRDL
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