

Details of Projects Completed during Financial Year 2020-2021

SL No	Title of The project	PI Name	Phone	Email	Department	Institute	Cost (Rs in Lakhs)	PDC (Year)	Domain Lab
1	Feasibility Demonstration of a Very Low Cost Imaging Radar- MicroSAR	S.A. Gangal	----	----	Electronic Science	University of Pune	14.94	1Y6M	LRDE
2	Effect of Pt content on the performance of MCrAlY (M=Ni,Co) bond coat	Aloke Paul	08022933242	aloke@materials.iisc.ernet.in	Materials Engineering	IISc Bangalore	38.26	3	DMRL
3	Development of multifunctional perovskite materials for device applications.	Dev Kumar Mahato	+91-9771024584	devk@nitp.ac.in	Physics	National Institute of Technology (NIT)	16.56	3	DMSRDE
4	Analytical investigation of subthreshold behavior of Silicon Nano-Tube (SiNT) based Field-Effect-Transistors (FETs).	Pramod Kumar Tiwari	0661-2462467, 9437809739	pramod23amu@gmail.com & tiwarip@nitrrkl.ac.in	Electrical Engineering	Indian Institute of Technology (IIT Patna)	19.98	3	SSPL
5	One-Dimensional Semiconductor-based (In,Ga)N Photocatalytic Hydrogen Generation.	K. Jeganathan	09894546936	kjeganathan@yahoo.com	School of Physics	Bharathidasan university	60.72	3	SSPL
6	Electrochemical synthesis of α -Aluminium hydride, a advanced propellant ingredient.	N. Rajalakshmi	66632707, 9841188467	rajalakshmi@arci.res.in	CFCT	International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI)	96.14	3	HEMRL

7	Development of ferrite based magnetic nanocomposites for microwave absorption applications.	Sachin Tyagi	0172-2642545, 09356830861	vshekpmt@rediffmail.com & vshekpmt@csio.res.in	Ubiquitous Analytical Techniques and R&D	CSIR-CSIO	61.16	3	DMSRDE
8	Quasi-2D silicon photonic crystal based hollow waveguide for optical communications and sensing.	Mukesh Kumar	0175-2393136, 08437166802	kedwalm@yahoo.co.in	Electronics and Communication Engineering	Indian Institute of Technology (IIT Indore)	51.33	3	IRDE
9	Determination of 3D coordinates by 2D frame using laser by image processing technique.	Manish K Sharma	0120-4392517, 9873576480	pssengar@amity.edu	Electronics & Communication Engineering	Amity University	10.00	2	LASTEC
10	Studies of circulating miRNA 126 & 122 in patient with coronary artery disease; Implication for Cholesterol and Lipid dynamics & plaque angiogenesis.	Wahid Ali	0522-2257580, 09411416801	aliwahid78@gmail.com	Pathology	King George's Medical University (KGMU)	25.56	3	INMAS
11	Investigation & fabrication of humidity sensor based on electrochemical anodization technique for defence applications.	S. S. Islam	011-26987153, 9818424557	sislam@imi.c.in	Centre for Nanoscience & Nanotechnology	Jamia Milia Islamia	91.46	3	SSPL
12	Development of advanced polybenzimidazole based nanocomposite materials for potential defence applications.	Arup Choudhury	0651-2276053, 9973277473	arup@bitmesra.ac.in	Chemical Engineering & Technology	Birla Institute of technology (BITS)	23.71	3	DMSRDE

13	Conceptualization of a second harmonic 100-150 kW, 95 GHz, CW high power gyrotron.	M. V. Karthikeyan	01332-285727, 9897021157	kartik@iitr.ernet.in & kartik@ieee.org	Electronics & Communication Engineering	Indian Institute of Technology (IIT Roorkee)	37.00	3	MTRDC
14	Development of Range Estimators using bearings only measurements. (RIC-III)	J Prakash	--	--	Instrumentation Engineering	Anna University	9.80	1	DRDL
15	Design and development of fault tolerant technique for reconfigurable computing applications.	Jamuna S	08042161731, 9448812915	js.jamuna@gmail.com	Electronics and Communication Engineering	Dayananda Sagar College of Engineering (DSCE)	17.55	2	ANURAG
16	Feasibility study of a Practical Realization of Protocol for Semi-Counterfactual Quantum Key Distribution (QKD).	R. Srikanth	080-23611836, 9844593440	srik@poornaprajna.org	Theoretical Sciences	Poornaprajna Institute of Scientific Research	18.76	2	SAG