

PROJECT SANCTIONED IN FINANCIAL YEAR 2019-20

SL No	TITLE	PI Name	Phone	Email	Department	Institute	Cost (In Lakhs)	PDC (Month)	Domain Lab
1	An advanced framework for hidden link analysis and trust management.	Dhiren R. Patel	9377197157	director@vjti.ac.in	Computer Engineering	Veermata Jijabai Technological Institute (VJTI)	71.29	12	DG MED&CoS
2	Development of vulnerability analysis framework and test bed for IoT and embedded devices.	Yashwant Singh	9418203623	arvind.cuj@gmail.com	Computer Science and Information Technology	Central university of Jammu	46.32	36	DG Med & CoS
3	Effect of silver and scandium addition on stress corrosion cracking resistance of aluminum alloy AA7050.	Kishore T Kashyap	816-2214000, 9741100042	ktkashyap@yahoo.com	Mechanical Engineering	Siddaganga Institute of Technology	71.14	36	DMRL
4	Augmented Reality based Maintenance trainer for Tejas Fighter Jet	C R S Kumar	02024304131, 9886741228	suthikshnkumar@diat.ac.in	Dept Computer Science and Engineering	Defence Institute of Advanced Technology (DIAT)	37.10	24	ADA, Bengaluru
5	Nonlinear GaN HEMT device characterization for power amplifier design and implementation of X-Band frequencies.	Karun Rawat	01332-284830, 8585992445	karunfec@iitr.ac.in	Electronics and Communication Engineering	Indian Institute of Technology (IIT Roorkee)	80.74	36	SSPL, Delhi
6	Development of Quantum Computing Architecture with Silicon Based Spin Qubits	Suddhasatta Mahapatra	9619975725	suddho@phy.iitb.ac.in	.Physics	IIT Bombay	956.88	60	SSPL
7	Formal verification of neural networks as applied to autonomous system.	Meenakshi D'souza	080-41407777	meenakshi@iiitb.ac.in	Computer Science	IIT Bangalore	15.71	30	DQR&S
8	Contra rotating axial centrifugal compressor stage aerodynamics an experimental investigation	Chetan S. Mistry	03222283002, 09819239939	csmistry@aero.iitkgp.ac.in & mistrycs@gmail.com	Aerospace Engineering	IIT, Kharagpur	38.01	36	GTRE
9	Compact hybrid fractal Antenna Arrays for Missile Applications	Santanu Kumar Behera	661-2462462, 9437331615	skbehera@nitrrkl.ac.in	Electronics & Communication Engg.	National Institute of Technology (NIT)	49.24	36	ITR

10	Modelling of the propagation attenuation characteristics of millimeter waves in Fog, Rain and dust/ sand storms.	Ashok Mittal	9868176603	ashok,mittal@yahoo.com	Electronics and Communication Engg.	Ambedkar Institute of Advanced Communication Technologies and Research (AIACTR)	25.20	26	RCI
11	Wall climbing robot with reduced sound levels using active noise control.	Uppu Ramachandraiah	044-27474262/385, 9884195179	uppur@hindustanuniv.ac.in	EIE & EEE	Hindustan Institute of Technology and Science	60.62	36	CAIR
12	Studying polymorphism in drug intermediates and their applications.	Sivapriya Kirubakaran	9925906242	priyak@iitgn.ac.in	Chemistry and Bioengineering	Indian Institute of Technology (IIT Gandhinagar)	75.36	36	INMAS
13	Surveillance and monitoring of populations of the devastating Irish potato famine pathogen, Phytophthora infestans in India to safe guard against potential biosecurity threats and to ensure food security of the nation.	Sanjoy Guha Roy	9331019471	s_guharoy@yahoo.com	Botany	West Bengal State University	64.31	36	DRL
14	EM design and development of Radar Absorbing Structure (RAS) for X-band applications.	Vineetha Joy	080-25086196, 09744962112	vineethajoy@nal.res.in & vineethajoy18@gmail.com	Centre for Electromagnetics (CEM)	CSIR-National Aerospace Laboratories (NAL)	35.77	24	LRDE
15	Preparation of high pure anhydrous magnesium chloride from sea water bitterns and magnesite.	Venkata Swamy Nalajala	9912079039	venkatnalajala.dnk@gmail.com	Chemical Engineering	Vignan's Foundation for Science, Technology and Research (VFSTR) University/ Vignan's University	23.23	24	DMRL

16	Electromagnetic analysis, design and simulation of dual frequency (s- and c-band) relativistic backward wave oscillator A HPM source	M. Thottappan	8896123463	mthottappan.ece@iitbhu.ac.in	Electronics Engineering	Indian Institute of Technology (BHU) Varanasi	46.85	36	MTRDC
17	Analysis and design of block ciphers	Appala Naidu Tentu	040-23013321	naidunit@gmail.com	Crypto	CR Rao Advanced Institute of Mathematics (AIMSCS)	99.51	30	CAIR
18	Effect of pore size, shape, and distribution on the performance of lanthanum zirconate based thermal barrier coatings	D. Thirumalaikumarasamy	04343-266067, 9894319865	tkumarasamy412@gmail.com	Mechanical Engineering	Government College of Engineering	31.66	36	GTRE
19	synthesis, characterization of high permeability powders and their evaluation for microwave absorption applications	Dr A B S Sastry	08632351777, 9849201199	director@srivt.in	R & D	Srimaharshi Research Institute of Vedic Technology (SRIVT)	46.87	36	ASL
20	Development of indigenous process technology for the production of chalcogenide based infrared glasses for thermal imagers.	Kalyandurg Annapurna	33-23223344, 9432229333	annapurnak@cgcri.res.in & kg_gsts@hotmail.com	Glass	Central Glass & Ceramic Research Institute (CGCRI)	172.49	36	IRDE
21	High Entropy alloys with multiscale heterogeneities: A novel class of advanced structural materials.	Pinaki Prasad Bhattacharjee	4023016069, 8121091743	pinakib@iith.ac.in	Materials Science and Metallurgical Engineering	Indian Institute of Technology (IIT Hyderabad)	71.89	36	DMRL