

## Sponsored Research at VIT University (1<sup>st</sup> January 2019 to 31st March 2020)

Sl. No.	Name of PI and Co-PI	Title of the project	Funding Agencies	School	Sanctioned Amount (INR)	Date of Commencement
1	Dr. M.Suchetha and Dr S. Ananiah Durai	Lower Atmospheric wind profile (LAWP) - MST Radar Signal Processing using variational mode decomposition (VMD) based Adaptive Structures: implementation using FPGA"	ISRO-RESPOND	SENSE	28,42,000	20th Sept-2019
2	Dr. Anith Nelleri and Dr.Zachariah C Alex	Development of a real time high resolution compressive digital holographic microscopic imaging technique for dynamic events	DST-SERB	SENSE	44,86,282	10th May-2019
3	Dr. Arun K Sarma and Dr.V.Umasankar	Interlayer based TiN/DLC coating on Ti alloys and its mechanical properties for medical applications	SPARC-MHRD	SAS	47,16,530	30th Apr-2019
4	Dr. Atanu Dutta	Effect of co-doping in a cation-ordered double perovskite (GdBa <sub>1-x</sub> Sr <sub>x</sub> Co <sub>1-y</sub> Ni <sub>y</sub> O <sub>5+delta</sub> ) as cathode materials for low temperature solid oxide fuel cell application	SPARC-MHRD	SAS	38,72,320	20th Mar-2019
5	Dr. R. Manimaran	Investigations on Performance and Emission Control in a Hydrogen-Diesel Compression Ignition Engine using Vortex Tubes	DST-SERB	SMBS	14,74,600	18th Mar-2019
6	Dr. Davidson Jebaseelan and Dr.Lenin Babu	Finite element study of Heterotopic Ossification formation on a cervical spine with artificial disc	Assault Systemes Founda	SMBS	14,33,000	12th Mar-2019
7	Dr. John Kennedy and Prof.V.Sailaja	Reduced graphene oxide supported / metal ion substituted hexagonal ferrite hybrid composites for high performance tunable broad band radar absorption	NRB, DRDO	SAS	26,96,200	4th Jan-2019
8	Dr. Jayanta Parui	Sol-gel based thin film depositions of Lead free relaxor ferroelectrics, Ba(Zr <sub>x</sub> Ti <sub>1-x</sub> ) <sub>0.3</sub> [x=0.1 - 0.271] and studies on their electrocaloric effects for solid state refrigeration	DST-SERB	SAS	29,83,816	23rd Oct-2018
9	Devaprakasam D	Development of Highly Sensitive and Reliable Thermopile Flow Sensors	DST-SERB	SMEC	48,05,400	3rd Mar-2020
10	Dr. Krishnendu Biswas,	Same site double doping as a strategy for high performance thermoelectric oxide materials	DST-SERB	SAS	29,62,696	7th Feb-2020