



## PONNAIYAH RAMAJAYAM INSTITUTE OF SCIENCE & TECHNOLOGY (PRIST)

Declared as DEEMED-TO-BE-UNIVERSITY  
U/s 3 of UGC Act, 1956

3.1.2 List of faculty who have been provided with seed money for research along with the title of the project, duration and amount year-wise.

Name of the faculty recipient of seed money	Department of the faculty	Title of the project	Amount sanctioned (in lakhs)	Duration of the project	Academic year
Dr.P.Avirajamanjula	EEE	Advanced data management systems and implementation of efficient algorithms	7.5	1 Year	2022-2023
Dr. T. Veeramani	Biotechnology	In vitro production of fucosterol under abiotic stress conditions seaweeds establishment in the coastal regions of Chidambaram and Cuddalore	8.5	1 Year	2022-2023
Dr. K . Vinoth	Physics	To design network adapting protocol for spectrum screening and development	6.5	1 Year	2022-2023
Dr. S. Dhanushkodi	Mechanical	Based on thermal performance and design the cashew drying through hybrid methods	8.6	1 Year	2022-2023
Dr. Kamaraj Raju	Biotechnology	The HLA profile and genetic affinities of three primitive tamil-speaking endogamous groups: kallars of Thanjavur, piramalai kallar and vanniya	7.2	1 Year	2022-2023
Dr. R. Latha	Computer Science	Using spark sentiment analysis to screen the Cauvery River side	6.4	1 Year	2022-2023
Dr.C.Rajinikanth	ECE	Wireless sensor networks screening via data aggregation process method	4.8	1 Year	2022-2023
Dr. T.Ushadevi	Microbiology	Accessibility and management strategies for municipal solid waste in union territory of Pondicherry	6	1 Year	2022-2023
Dr.D.Nandhini	Physics	Impact of carbon luster on plant growth and soil	7.3	1 Year	2022-2023
Dr. A. Xavier Fernandes	Microbiology	In vitro anticancer activity of marine fungus	7.2	1 Year	2022-

					2023
Dr. D. Chinnaraja	Chemistry	Multicomponent synthesis, biological evaluation, molecular docking studies of novel 3-alkyl indoles	4.95	1 Year	2021-2022
Dr. Ashutosh Das	Civil Engineering	Normalized difference vegetation index (NDVI) of satellite imageries and its relationship with landslide-prone zones	6.2	1 Year	2021-2022
Dr. R. Sathya	Microbiology	Biodegradation of naphthalene by biocatalyst isolated from the contaminated environment under optimal conditions	5	1 Year	2021-2022
Dr. S. Subashchandrabose	Physics	Synthesis and characterization of poly indole ion oxides and biomedical applications	5.15	1 Year	2021-2022
Dr. J. Ilamathi	Biotechnology	Bioactive compounds on mitochondrial lipid peroxidation products and screen enzymes in iso-induced myocardial infarcted rats	4.5	1 Year	2021-2022
Dr.S.Ezhilarasan	EEE	Office data retrieval systems through cloud system & management	4.2	1 Year	2021-2022
Dr.B.Kunjithapatham	EEE	Office data retrieval systems through cloud system & management	1.9	1 Year	2020-2021
Dr.P. Manonmani	Biotechnology	Accessibility and management strategies for municipal solid waste in union territory of Pondicherry	4	1 Year	2020-2021
Dr C. Rajinikanth	ECE	Developmental methods extraction and support vector machine base content-based image retrieval for medical application	4.5	1 Year	2020-2021
Dr. R.Rajamohan	Chemistry	Interaction of benzothiazole derivatives with native and modified $\beta$ -cyclodextrins through host-guest complexation: in vitro study of breast cancer cell line	4.6	1 Year	2020-2021
Dr.J.Sanjeevikumar	EEE	Advanced data management systems and implementation of efficient algorithms	5.8	1 Year	2020-2021
Dr. RV. Shalini	Biotechnology	In vitro production of fucosterol under abiotic stress conditions seaweeds establishment in the coastal regions of Chidambaram and Cuddalore	4.2	1 Year	2020-2021
Dr. K. G. Selvan	Management	Identification of the factors, barriers, and motivations that influence the construction and demolishing waste generation and management	8.9	1 Year	2019-2020
Dr. D.Senthilnathan	Chemistry	Metalloenzymes: functional model to real enzymes and vice versa – a theoretical study	8.85	1 Year	2019-2020
Dr. T.T.M. Kannan	Mechanical	Optimization of catalytic pyrolysis process for change of plastic waste into fuel	9.7	1 Year	2019-2020
Dr. R. Sivasamandy	Civil	Fuzzy based hydro-lithological zonation of storm water regime	9.2	1 Year	2019-

	Engineering	in Thanjavur city of southern India			2020
Dr. S. Ambiga	Biochemistry	Analysis of heavy metals accumulation in Nagapattinam coastal waters, southeast coast of India	9.4	1 Year	2019-2020
Dr. S. Subashchandrabose	Physics	Tunable van der Waals interactions in low dimensional nanostructures	8.85	1 Year	2019-2020
Dr. A. Bakrudeen Ali Ahmed	Biochemistry	In silico screening of glycogen ligands acetylcholinesterase and its probable relevance to Alzheimer's disease	9.7	1 Year	2019-2020
Dr. P. Parthiban	Chemistry	Electronic transitions, inter- and intra-bond interactions of an azabicyclic single crystal using DFT	8.8	1 Year	2019-2020
Dr. V.Yalini	MECHANICAL	Tools monitoring and automatic ignition control system	12	1 Year	2019-2020
Dr. M. Silambarasan	Physics	Synthesis and characterizations of high crystalline mno <sub>2</sub> nanoparticles for energy storage applications	10.5	1 Year	2019-2020
Dr. S. Sathiskumar	Biochemistry	The effect of bioactive compounds on in vivo anti targeting nephrin activity in animal model	8.6	1 Year	2019-2020
Dr.A.Shajahan	Biotechnology	Core-shell silver nanoparticles: synthesis, characterization, and applications	9.5	1 Year	2019-2020
Dr. Arjun Pandian	Biotechnology	Phytochemistry and therapeutic potential of black pepper [ <i>Piper nigrum</i> (L.)] Essential oil and piperine:	10	1 Year	2019-2020
Dr. J.S. Nirmal Ram	Chemistry	Crystal engineering of nutraceuticals for diabetes management	9.10	1 Year	2018-2019
Dr. Ashutosh Das	Civil	Treatment of wastewater using constructed wetland	6.90	1 Year	2018-2019
Dr. M. Sivanantham	Physics	Fabrication of novel polyion complex nanostructure	8.80	1 Year	2018-2019
Dr. A. Bakrudeen Ali Ahmed	Biochemistry	In vitro production of secondary metabolites from medicinal plants	9.65	1 Year	2018-2019
Dr. K. Saravanan	Computer Science	Decisive high-utility item set mining - an innovative algorithm for mining the high utility item sets	7.70	1 Year	2018-2019
Dr. R. Arun Kumar	Biotechnology	ReserpineinhibitsDNArepair,cell proliferation,invasionapoptosisinoralcarcinogenesisviamodulation ofTGF- $\beta$ signaling	9.4	1 Year	2018-2019
Dr. A. Rijuvana Begum	ECE	Image assisted machine learning algorithm for early diagnosis of disease detection in lung CT images	7.4	1 Year	2018-2019
Dr.G.Venatkumar	Biotechnology	Development of high dense ion exchange composite electrolyte		1 Year	

		for fuel cells	9.6		2018-2019
Dr. S. Dhanushkodi	Mechanical	Sustainable technology development and quality characteristics of functional dairy product	8.45	1 Year	2018-2019
Dr. Sutapa Ghosh	Physics	Molecular docking studies with an anti-neuro Drug molecule	9.5	1 Year	2018-2019
Dr. R. Sathya	Microbiology	Biodegradation of naphthalene by biocatalyst isolated from the contaminated environment under optimal conditions	8.5	1 Year	2018-2019
Dr S. Nithyanandam	CSE	Smarter data retrieval systems over cloud with advanced data management systems	10	1 Year	2018-2019