



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.

Sl. No	Name of the faculty recipient of seed money	Department of the faculty	Title of the project	Amount sanctioned (INR in lakhs)	Duration of the project	Academic year
1	Dr.P.Avirajamanjula	EEE	Advanced data management systems and implementation of efficient algorithms	7.5	1 Year	2022-2023
2	Dr. T. Veeramani	Biotechnology	Integrating Biotechnology for Sustainable Urban Farming Systems using Smart Aquaponics	8.5	1 Year	2022-2023
3	Dr. K . Vinoth	Physics	To design network adapting protocol for spectrum screening and development	6.5	1 Year	2022-2023
4	Dr. S. Dhanushkodi	Mechanical	Design and Thermal Performance Evaluation of Hybrid Methods for Cashew Drying	8.6	1 Year	2022-2023
5	Dr. Kamaraj Raju	Biotechnology	The HLA profile and genetic affinities of three primitive tamil-speaking endogamous groups: kallars of Thanjavur, piramalai kallar and vanniyar	7.2	1 Year	2022-2023
6	Dr. R. Latha	Computer Science	Using spark sentiment analysis to screen the Cauvery River side	6.4	1 Year	2022-2023
7	Dr.C.Rajinikanth	ECE	Wireless sensor networks screening via data aggregation process method	4.8	1 Year	2022-2023
8	Dr. T.Ushadevi	Microbiology	Microbial Biofilms as Bioremediation Agents for Improving Human Health	6	1 Year	2022-2023
9	Dr.D.Nandhini	Physics	Developing Flexible and Lightweight Graphene Conductors For Nano Electronic Application	7.3	1 Year	2022-2023
10	Dr. A. Xavier Fernandes	Microbiology	In vitro anticancer activity of marine fungus	7.2	1 Year	2022-2023
			Total Amount for the year 2022-23 (INR in Lakhs)	70		



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1	Dr. D. Chinnaraja	Chemistry	Multicomponent synthesis, biological evaluation, molecular docking studies of novel 3-alkyl indoles	4.95	1 Year	2021-2022
2	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
3	Dr. R. Sathya	Microbiology	Biodegradation of naphthalene by biocatalyst isolated from the contaminated environment under optimal conditions	5	1 Year	2021-2022
4	Dr. S. Subashchandrabose	Physics	Synthesis and characterization of poly indole iron oxides and biomedical applications	5.15	1 Year	2021-2022
5	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
6	Dr.S.Ezhilarasan	EEE	Office data retrieval systems through cloud system & management	4.2	1 Year	2021-2022
			Total Amount for the year 2021-22 (INR in Lakhs)	30		



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1	Dr.B.Kunjithapatham	EEE	Office data retrieval systems through cloud system & management	1.9	1 Year	2020-2021
2	Dr.P. Manonmani	Biotechnology	Accessibility and management strategies for municipal solid waste in union territory of Pondicherry	4	1 Year	2020-2021
3	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
4	Dr. R.Rajamohan	Chemistry	Interaction of benzothiazole derivatives with native and modified β -cyclodextrins through host-guest complexation: in vitro study of breast cancer cell line	4.6	1 Year	2020-2021
5	Dr.J.Sanjeevikumar	EEE	Advanced data management systems and implementation of efficient algorithms	5.8	1 Year	2020-2021
6	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
			Total Amount for the year 2020-21 (INR in Lakhs)	25		



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1	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
2	Dr. D.Senthilnathan	Chemistry	Metalloenzymes: functional model to real enzymes and vice versa – a theoretical study	8.85	1 Year	2019-2020
3	Dr. T.T.M. Kannan	Mechanical	Optimization of catalytic pyrolysis process for change of plastic waste into fuel	9.7	1 Year	2019-2020
4	Dr. R. Sivasamandy	Civil Engineering	Fuzzy based hydro-lithological zonation of storm water regime in Thanjavur city of southern India	9.2	1 Year	2019-2020
5	Dr. S. Ambiga	Biochemistry	Analysis of heavy metals accumulation in Nagapattinam coastal waters, southeast coast of India	9.4	1 Year	2019-2020
6	Dr. S. Subashchandrabose	Physics	Tunable van der Waals interactions in low dimensional nanostructures	8.85	1 Year	2019-2020
7	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
8	Dr. P. Parthiban	Chemistry	Electronic transitions, inter- and intra-bond interactions of an azabicyclic single crystal using DFT	8.8	1 Year	2019-2020
9	Dr. V.Yalini	Mechanical	Tools monitoring and automatic ignition control system	12	1 Year	2019-2020
10	Dr. M. Silambarasan	Physics	Synthesis and characterizations of high crystalline mno ₂ nanoparticles for energy storage applications	10.5	1 Year	2019-2020
11	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
12	Dr.A.Shajahan	Biotechnology	The Core-shell silver nanoparticles: synthesis, characterization, and applications	9.5	1 Year	2019-2020
13	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
			Total Amount for the year 2019-20 (INR in Lakhs)	124		



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1	Dr. J.S. Nirmal Ram	Chemistry	Crystal engineering of nutraceuticals for diabetes management	9.10	1 Year	2018-2019
2	Dr. Ashutosh Das	Civil	Treatment of wastewater using constructed wetland	6.90	1 Year	2018-2019
3	Dr. M. Sivanantham	Physics	Fabrication of novel polyion complex nanostructure	8.80	1 Year	2018-2019
4	Dr. A. Bakrudeen Ali Ahmed	Biochemistry	In vitro production of secondary metabolites from medicinal plants	9.65	1 Year	2018-2019
5	Dr. K. Saravanan	Computer Science	In Decisive high-utility item set mining - an innovative algorithm for mining the high utility item sets	7.70	1 Year	2018-2019
6	Dr. R. Arun Kumar	Biotechnology	Reserpine inhibits DNA repair, cell proliferation, invasion apoptosis in oral carcinogenesis via modulation of TGF- β signaling	9.4	1 Year	2018-2019
7	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
8	Dr.G.Venkatkumar	Biotechnology	Development of high dense ion exchange composite electrolyte for fuel cells	9.6	1 Year	2018-2019
9	Dr. S. Dhanushkodi	Mechanical	Sustainable technology development and quality characteristics of functional dairy product	8.45	1 Year	2018-2019
10	Dr. Sutapa Ghosh	Physics	Molecular docking studies with an anti-neuro Drug molecule	9.5	1 Year	2018-2019
11	Dr. R. Sathya	Microbiology	Biodegradation of naphthalene by biocatalyst isolated from the contaminated environment under optimal conditions	8.5	1 Year	2018-2019
12	Dr S. Nithyanandam	CSE	Smarter data retrieval systems over cloud with advanced data management systems	10	1 Year	2018-2019
			Total Amount for the year 2018-19 (INR in Lakhs)	105		