

Proposed Project Proposals to be submitted by various departments:

Sl.No	Title of the Project	Scope of the Project	Sponsoring Agency	Amount in Lakhs	Name of the Investigator and Co-Investigator
1.	DNA methylation profiling in cancer tissues and blood	DNA methylation profiling in cancer tissues, blood and interpreting results published in research articles to predict cancer.	CSIR	3.00	Dr. S. Kumaran Ms.B. Nazema Banu
2.	Research on mass cultivation on microalgae	Establishment of raceway pond facility	PMIST	0.70	Dr. K. Rajendran Dr.S.Chittibabu
3.	Nano fibre for wound healing	Various kinds of wounds such as surgical, burn, injuries etc., can be cured using nano material based nano fibres	BIRAC	326.66	Dr.D.Kumar Dr.K.Geetha
4.	Adaptive insulin pump	Type I and Type II diabetic Patients can use the wearable automatic insulin delivery system and can be benefitted	Indo US Science and Technology endowment fund	154.50	Dr.D.Kumar Mr.U.Saravanakumar
5.	Nano Composites	Materials for Aerospace and Auto mobile industry application	DST	270.00	Dr. D. Jayasimman Dr.D.Kumar
6.	Liposomes for Drug delivery applications	Liposomes are used for site specific drug delivery thereby reducing the drug loss and they wont damage healthy cells	DST	78.50	Dr.S.K.Sundar Dr.A.Ashok Kumar
7.	Mineralization of aquatic environmental contaminants	Liquid waste management	DST	185.00	Dr.P. Sathishkumar Dr. K. Rajendran
8.	Study and characterization of chia seed growth on drought soil and wet soil in Thanjavur delta region	South American Seeds required to check the grown condition in Thanjavur region	Self funding (yet to identify)	30.00	Dr. A. Ashok Kumar Dr.S.K.Sundar
9.	Cloud based Virtual Agriculture Marketing	To provide a Cloud based Electronic Commerce Environment for the farmers that would facilitate their cultivation to deliver the product to the marketing place in time which includes the following facilities	Ministry of IT GoI	53.92	Dr.A.Satheesh Dr.D.Kumar
10.	Improvement of power quality and reliability of distribution system with DER	To make details analysis and improvement of reliability of the grid when DER are integrated to the system	CPRI, Bangaluru	20.00	Dr.M.Varadarajan Mr.K.Arun Ganesh
11.	Chlorophyl free algal oil using novel extraction processos for the Bio Diesel production	The project aims to develop novel extraction methodology to remove chlorophyl from algal oil for the production of algal Bio Diesel	DBT	30.00	Dr.S.Chittibabu Dr.T.Tamizharasan

12.	Development of metal nano partials based fuel additives to improve IC Engine performance	Formulation of metal nano particles based fuel additives to reduce friction, ingress BHP, Mileage and to decrease emission in IC engines.	DST	44.00	Dr. T. Tamilzharasan Dr. S. Chittibabu
13.	Natural dye for colouring recycled paper	Aiming to optimize the natural colouring for the recycled paper	DST	4.50	Mr. K. Jeyajothi Dr. S. Kumaran
14.	Delineation of Fresh - salt water interface for the coastal aquifer along Coramandel coast combined Geo electrical, Geo magnetic surveys and Hydro chemical methods.	This proposal is to characterize and delineate the fresh "salt water interface along the coramandel coast.	MoES, Govt of India	80.00	Dr. S. Jayanthi Dr.S. Senthamil Kumar
15.	A study marketing analysing on Cavery Delta Farmers	To know the farmers marketing strategies to sell their products	ICSSR	12.00	Dr. K. V. R. Rajandran Ms. J.D. Arthi Dhakshana
16.	PMU Employee Website Monitoring using Packet Analysis	This project understands and demonstrates the technique which can be used to monitor the websites accessed by employees based on IP and Mac-address on a LAN network by analyzing appropriate packets.	DST	7.00	Mr. A. E. Narayanan Mr. P. Ilangovan
17.	Establishing congestion free network for real time traffic.	To minimize congestion in Internet	Ministry of IT	25.00	Ms.G.Thiruchelvi Ms.V.Hamasadhwani
18.	A study on NPA of Banks in India	To find out the NPA Banks in India	UGC	15.00	Dr.G.Vadivalagan Dr.D.Umamaheswari
19.	Intelligent Support System for Natural Disaster	The management of disaster data involves the integration of multiple heterogeneous data, extraction of information and filtering the data, data analysis and decision support system.	DST SERC	60.00	Dr.V.Vallimayil Dr.K.Lakshmi
20.	Building performance analysis for thermal comfort in Residences within PMU Campus.	Energy performance analysis and audit.	MNRE and /Ministry of Earth sciences.	4.50	Ar.C.V.Subramanian Er. S.Ezhilarasan
21.	Evacuated tube collector based solar dryer for drying agricultural and marine products	To dry agricultural and marine products using solar evacuated tube collectors on large scale during all climatic conditions.	DST	40.00	Dr. AR.Umayal Sundari Dr. PK. Srividhya
22.	Quantum dot and natural dye sensitized solar cells using nanostructures of ZnO and TiO ₂ and other composite materials	Quantum dot and natural dye sensitized solar cells using nanostructures of ZnO and TiO ₂ and other composite materials	DST	48.00	Dr. A. Kathalingam Dr. K. Kumar, Dr. K. Kesavan and Dr. P. Gayathri

