

List of proposal sanctioned during 2012-13

Sl.No.	Title	Investigator/ Complete address of Institute	Duration	Funds allocation		Total Cost (in Lakhs)	Industry Contribution (in Lakhs)
				General (in Lakhs)	Capital(in Lakhs)		
1	Development of low cost device for non-invasive management of feecal incontinence and urinary stress incontinence	Dr. Peush Sahni (Professor), Department of Gastro-intestinal (GI) surgery, All India Institute of Medical Sciences (AIIMS), New Delhi	24 months	20,40,000	1,23,900	21,63,900	2,00,000
2	Development of a mechanised system for effective sett/bud treatment of sugarcane	Dr. Ravindra Naik, Senior Scientist, Central Institute of Agricultural Engineering, CIAE - Regional Centre, Industrial Extension Project, TNAU Campus, Coimbatore 641 003, Tamil Nadu	24 months	21,11,200	5,62,000	26,73,200	2,50,000
3	Instrumented Solar Hot Air Generator (ISHAG) for optimum thermal load in tea processing	Dr. Debendra Chandra Barua, Professor & Head, Department of Energy, Tezpur University, Tezpur 784 028, Assam	36 months	23,24,800	5,30,000	28,54,800	Kind
4	Development and Evaluation of Drying Systems for Important Spices of North Eastern States	Dr. Ngankham Joykumar Singh, Assistant Professor, College of Agriculture, Central Agricultural University, Imphal, Department of Agricultural Engineering, College of Agriculture, Central Agricultural University, Iroisemba, Imphal 795 004	18 months	10,96,000	13,94,000	24,90,000	NIL

5	Development of mechanical unit for production of white pepper from green pepper	Dr. E. Jayashree, Scientist (SS), Indian Institute of Spices Research, P.B. No.1701, Marikunnu P.O., Kozhikode 673 012, Kerala	18 months	10,23,800	11,00,000	21,23,800	NIL
6	Design and Development of Vacuum Frying System for the Production of Healthy Snacks Products	Dr. Sukumar Debnath, Senior Scientist, Department of Lipid Science and Traditional Foods, Central Food Technological Research Institute (CFTRI), Mysore 570 020	24 months	20,83,200	18,95,000	39,78,200	4,00,000
7	Design and Development of cost effective in-situ induction motor efficiency monitoring system using the latest art of instrumentation	Shri G.S. Ayyapan, Scientist-C, Central Scientific Instruments Organisation, Chennai Centre CSIO, CSIR, Madras Complex, Taramani, Chennai 600 113.	18 months	20,65,200	40,57,000	61,22,200	4,50,000
8	Motorized Seed Drill for Rice Fallow Pulse- Designing and Evaluation	Dr. A. Veeramani, Ph.D., Associate Professor (Agronomy), Department of Agronomy, Agricultural College and Research Institute, Madurai 625 104, Tamil Nadu	36 months	28,24,000	NIL	28,24,000	3,73,000
9	Ultrasound assisted ozonator for the processing of liquid foods	Dr. Navin K. Rastogi, Senior Principal Scientist, Department of Food Engineering, Central Food Technological Research Institute (CFTRI), Mysore 570 020	24 months	11,60,800	13,00,000	24,60,800	NIL

10	Development of Continuous wet cum dry grinder for grinding waxy rice for use in the state of Assam	Dr. K. Venkatesh Murthy, Principal Scientist, Central Food Technological Research Institute, Mysore, Department of food engineering, CFTRI, Mysore 570 020	24 months	23,34,000	10,00,000	33,34,000	3,50,000
11	Design and Development of Portable Pain Relieving Instrument	Dr. Arun G. Maiya, MPT, PhD, Physiotherapy, Lg-02, Academic Block-05, MIT Campus, Manipal College of Allied Health Sciences (MCOAHS), Manipal University, Manipal 576102.	24 months	18,95,200	8,40,000	27,35,200	3,00,000
12	Design of Automatic Human Blood Pressure Meter Based on Oscillometric and Auscultation Principles	Dr. Rajendra Gaud, Assistant Professor, D/o Electronics, Goa University SPO GU, Taleigao Plateau, Goa 403 206.	24 months	11,45,600	7,77,000	19,22,600	1,50,000
13	Feasibility study on fabrication and evaluation of electrochemical sensor for some beta-blockers and digoxin in biological samples	Dr.(Mrs.) Ramani V. Motghare, Asst. Prof. D/o Chemistry, Visvesvaraya National Institute of Technology (VNIT), South Ambazari Nagar, Nagpur 400010.	24 months	6,65,600	8,70,500	15,36,100	NIL
14	Home based vital signs monitor for screening of sleep disorders	Dr. Niranjan D. Khambete, Engineer 'F'(Instrumentation), Sree Chitra Tirunal Institute for Medical Sciences and Technology, Poojapura, Thiruvananthapuram 695 012.	24 months	22,96,800	7,77,600	30,74,400	3,00,000
15	Smart phone based real time remote monitoring of cardiac patients from hospital	Dr. J.S. Sahambi, D/o Electrical Engg., IIT-Ropar, Nangal Road, Rupnagar, Punjab 140001.	36 months	14,02,600	19,61,138	32,13,738	3,00,000

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16	Development of endovascular stent graft for percutaneous treatment of femeropopliteal diseases	Dr. Santosh Joseph, Prof. & Head, D/o Radiology and Imaging Sciences, Sri Ramachandra University, Chennai 600116.	24 months	35,30,000	18,70,000	54,00,000	6,20,000
17	Design and Development of a sensor sole for stroke patients	Mr. N. Manikandan, Associate Prof. Lg-02, Academic Block-05, D/o Phsiotherapy, MCOAHS, Manipal University, Manipal 576102.	24 months	11,75,200	NIL	11,75,200	Kind
18	Design and Development of Low Cost Intelligent Wheelchair for severely disabled/old people	Ms. N. Subhashini, Asst. Prof., D/o Biomedical Engg, PSG College of Technology, Coimbatore 641 004.	36 months	20,67,200	6,08,620	26,75,820	3,00,000
19	Design and Development of a chest splint for RDS in Neonates	Dr. Srinivasa Murthy D., Neonatologist, JSS Medical College and Hospital, Mysore 570015.	18 months	26,95,800	NIL	26,95,800	2,50,000
20	Development, Characterization and Validation of Novel Ultra filtration Membranes for Hemodialysis in Preclinical Model	Dr. P. Soundarajan, Prof.&Head, D/o Nephrology and CEFT, Sri Ramachandra University, Ramachandra Nagar, Chennai 600116. and Dr. D. Mohan, Membrane Laboratory, D/o Chemical Engg, A.C. College of Technology, Anna University, Chennai 600025.	24 months	40,03,200	17,88,000	57,91,200	6,00,000

21	Development of polymer based cost effective electrochromic devices for automative applications	Professor A. Subramahmanyam, D/o Physics, Indian Institute of Technology, Madras, Chennai 600036.	24 months	27,53,600	NIL	27,53,600	4,00,000
22	Development of hand held instrument for on-field fibre content measurement in sugarcane	Dr. Ravindra Naik, Senior Scientist, Central Institute of Agricultural Engineering, CIAE - Regional Centre, Industrial Extension Project, TNAU Campus, Coimbatore 641 003, Tamil Nadu	24 months	19,99,200	14,50,000	34,49,200	3,50,000
23	Development of a Natural Draft Gas Fired Tea Dryer for Small Tea Growers of Assam	Er. Abhijit Borah, Research Engineer, D/o Agriculture Engg., Assam Agricultural University Jorhat 785013, Assam.	36 months	21,98,000	4,92,000	26,90,000	2,50,000
24	Design and Development of a tractor operated soil compaction measurement device	Dr. Manoj Kumar, Asst. Prof. SKUAST-J, Division of Agrl. Engg., FOA, Sher-e-Kashmir University of Agrl. Sciences and Technology, Jammu(SKUAST-J), Chatha, Jammu 180009.	24 months	11,33,400	6,18,000	17,51,400	1,50,000
25	Design and development of telemedicine based health care unit for diabetic disorder	Prof. S. Vivekanandan, Asst. Prof.(Sr.), VIT University, TT 514, School of Electrical Engg. VIT University, Vellore 632014, Tamil Nadu.	24 months	10,10,077	NIL	10,10,077	
26	Design and Development of Smart Health Monotoring unit for Kindergarten Children and Old Age People	Ms. G. Velmathi, D/o Electronics and Communication Engg., Velammal College of Engg. & Technology, Viraganoor, Madurai 625 009.	36 months	13,60,000	16,55,000	30,15,000	3,00,000

27	Development of network and online metering of drying parameters of Biomass Hot Air Generation System Integrated with Solar Tunnel Dryer for agro products drying applications	Dr. P. Venkatachalam, Prof. and Head, D/o Bioenergy, Agricultural Engg. College & Research Institute, Tamil nadu Agricultural University, Coimbatore 641003.	24 months	11,76,400	17,00,000	28,76,400	3,50,000
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