

**New projects sanctioned during 2014-15**

<b>Sr. No.</b>	<b>Title</b>	<b>Investigator/ Complete address of Institute</b>	<b>Total Cost (in Rs.)</b>	<b>Industry contribution</b>
1.	Development of Community Dialysis machine for Rural India	Dr. Prof. Vinod K. Agrawal, Director, Crucible of Research and Innovation, Department of Innovation Science and Engineering, PES Institute of Technology, PESIT Campus, 100 Feed Ring Road, BSK III Stage, Bangalore-560085	53,92,800	4,50,000 7,00,000 (host institute)
2.	Development of Microfluidics Platform for Blood Plasma Separation with Application to Micro Total Analysis System	Dr. Amit Agrawal, Associate Professor, Department of Mechanical Engineering, Indian Institute of Technology Bombay, Powai, Mumbai-400076	48,19,700	4,00,000
3.	Design & Development of High-end ICU Ventilator	Prof K K Venkataraman, ECE, Nano-research facility, PSG Institute of Advanced Studies, Coimbatore, Post Box No. 1609, Avinashi Road, Peelamedu, Coimbatore-641004	74,73,000	19,17,000 9,60,000 (host institute)
4.	Development of a Focused Repetitive Transcranial Magnetic Stimulator for the Treatment of Neuropsychiatric Disorders like Depression	Dr. Syrpailyne Wankhar, PG Tutor, Department of Bioengineering, Christian Medical College, Bagayam, Vellore-632002, Tamilnadu	28,29,200	Feasibility
5.	Rapid detection of Plasmodium falciparum and Plasmodium vivax in human urine and saliva samples: a non-invasive approach for malaria diagnosis	Dr. Shikha Singh, Assistant Professor, Centre of Biotechnology, Siksha O Anusandhan University, Kalinga Nagar Ghatikia, Bhubaneshwar, Odisha	27,30,000	3,00,000

6.	Investigation on collagen content change and skin thickening in sclerodermic patients using optical spectroscopy	Dr. N. Sujatha, Assistant Professor, Biomedical Engineering Group, Department of Applied mechanics, Indian Institute of Technology Madras, Chennai	32,26,000	Feasibility
7.	Development of instrumentation methodology for rapid and non-invasive endotoxin detection in Urinary Tract Infection	Dr. Alok Prasad Das, Assistant Professor, Centre of Biotechnology, Siksha O Anusandhan University, Kali Nagar, Ghatikia, Bhubaneswar-751003, Odisha	27,40,000	Feasibility
8.	Designing and construction of volatile separating and sampling device based on Thermo-Kinetic	Dr. B.S. Ajit Kumar, Associate Professor, Dept of Chemistry, LMCGN Guru Nanak Khalsa College, MP Road, Matunga, Mumbai-19	17,30,000	Feasibility
9.	Development of an Expert System for growth of the green pellets in a pelletization plant to enhance the productivity	Mr. Santosh Kumar Behera, Process Engineering & Instrumentation Cell, Institute of Minerals and Materials Technology, Bhubaneswar, Orissa-751013	35,64,520	3,50,000
10.	Fabrication of Sensor Array for the Quality Assessment of Milk, Meat and Fish	Dr. R. Josh Bosco Basco Balaguru Professor, School of Electrical & Electronics Engineering & Centre for Nanotechnology & Advanced Biomaterials (CeNTAB)	31,97,560	2,00,000
11.	Design of Instrument for Positive Thread Feeding in Sewing Machine	Dr. Vinay Midha, Associate Professor, Dr. B.R. Ambedkar National Institute of Technology, GT Road Bye Pass, Jalandhar-144011	22,11,480	2,00,000