

New projects sanctioned during 2015-2016

S No	File No	PI	Title of the project	DST Contribution	Industry Contribution	Total project cost
1	IDP/IND/2013/10	Mr. Ashish Mani Associate Professor, Dept of Electrical & Electronics Engineering, Amity School of Engineering & Technology, Amity University, Noida,Up-201313.	Design and Development of Mask-less/ Direct Printing PCB Prototyping Machine	Rs.39,40,400/-	Rs. 4,00,000/-	Rs.43,40,000/-
2	IDP/MED/2013/03	Dr. Santhosh Chidangil Professor, Centre for Atomic and Molecular Physics, LG- 01,Academic lock-5,MIT Campus, Manipal University, Manipal 576104,Karnataka.	Design, Assembly, Testing and Multi-Center Evaluation of a Miniature and Portable LIF System for Screening of Oral Malignancy	Rs.47,57,800/-	Rs.5,00,000/-	Rs.52,57,800/-
3	IDP/IND/2012/31	Dr. S.N. Omkar Principal Research Scientist, Department of Aerospace Engineering, Indian Institute of Science, Bangalore- 560012,Karnataka	Design and Development of Unmanned Aerial Surveillance Vehicle for Radiation Monitoring	Rs.36,47,600/-	Rs.4,00,000/-	Rs.40,47,600/-
4	IDP/IND/2012/38	Dr. V.D.Nagaraju Principal Scientist, Food Engineering Department, Central Food Technological Research Institute, Cheluvamba Mansion, Mysorse-20	Design and Development of a machine for continuous Cooking and discharging of ragi mudde and ball making	Rs.23,33,900/-	Rs.2,50,000/-	Rs.25,83,900/-

5	IDP/IND/05/2013	N. Radhakrishnan, Department of Information Technology, Director, TIFAC Core in Machine Vision, Rajalakshmi Engineering College, Rajalakshmi Nagar, Thandalam, Chennai- 602 105, Tamil Nadu	Novel vision based blister pack inspection for Pharmaceutical Industries”	Rs.31,71,887	Rs.7,85,664/-	Rs.39,57,551/-
6	IDP/MED/25/2013	Dr. T. Kesavamurthy, Assistant Professor (Sr. Grade), Department of Electronics & Communication Engineering, PSG College of Technology, Peelamedu, Avinashi Road, Coimbatore- 641 004, Tamil Nadu	Design & Development of Indigenous Phased Array RF Volume Coil for 1.5 Tesla Magnetic Resonance Imaging	Rs.26,34,782/-	Rs.2,50,000/-	Rs.28,48,782/-
7	IDP/IND/19/2013	Dr.H.Muthurajan Associate Professor,National Centre for Nanoscience and Nanotechnology, Vidyanaagri, Kalina, Santacruz(E),University of Mumbai,Mumbai- 400098,Maharashtra.	Design and Development of Laser based Lithography System for MEMS and Semiconductor Device Fabrication	Rs. 56,16,600/-	Rs. 25,00,000/-	Rs. 81,16,600/-
8	IDP/IND/12/2013	Dr. Seema Bhadauria, Associate Professor, Department of Botany, Raja Balwant Singh College (R.B.S.College), Agra-282 002, Uttar Pradesh	Incorporation of Additional soil micronutrients testing with fertilizer management	. Rs. 27,45,000/-	Rs. 5,00,000/-	Rs. 32,45,000/-

9	. IDP/MED/31/2013	Dr. Dinesh Bhatia, Associate Professor & Head, Department of Biomedical Engineering, North Eastern Hill University (NEHU), Shillong- 793 022, Meghalaya.	Design of pulsed electrical knee stimulator for osteoarthritis (OA) patients	Rs. 35,07,235/-	Rs. 4,00,000/-	Rs. 39,07,235/-
10	. IDP/IND/18/2013	Dr. S. Tamil Selvi, Professor & Head, Department of Electronics & Communication Engineering, National Engineering College, Kovilpatti- 628 503, Tamil nadu	Fully automated coconut harvesting machine	. Rs. 22,41,360/-	Rs. 2,00,000/-	Rs. 24,41,360/-
11	IDP/MED/2013/29	Dr. V.Khamo Head, Healthcare Laboratory and Research Centre, Naga Hospital Authority, Kohima, Nagaland-797001	Development of a rapid serological test kit for Paragonimiasis and its morphological identification	Rs.67,50,666/-	Nil	Rs. 67,50,666/-
12	. IDP/IND/02/2014	Dr. Arindam Basu, Director General, Northern India Textile Research Association, Sector- 23, Raj Nagar, Ghaziabad- 201 002, Uttar Pradesh	Development of Electronic Drape meter based on image analysis technique	. Rs. 33,13,946/-	Rs. 3,00,000/-	Rs. 36,13,946/-
13	IDP/MED/2013/14	Dr.Mohammad Owais Associate Professor, Interdisciplinary Biotechnology Unit, Aligarh Muslim University, Aligarh- 202002,UP	Development of multiplex microarray system for detection of GAS isolates and early diagnostic kit to control prevalence of rheumatic heart disease	Rs. 54,63,000/-	Rs. 6,00,000/-	Rs. 60,63,000/-

14	IDP/IND/01/2013	Mr. Vishal Jain, Institute for Plasma Research, FCIPT, A-10/B, GIDC, Sector- 25, Gandhinagar- 382 044, Gujarat	Design and Development of Environment Friendly Plasma System for in-line Treatment of Textile at Moderate speed	Rs. 95,64,000/-	Rs. 20,00,000/-	Rs. 1,15,64,000/-
15	IDP/IND/05/2014	Dr. Prakash Vinod, Scientist – E, Central Manufacturing Technology Institute (CMTI), Tumkur Road, Bangalore- 560 022, Karnataka	Development of compact portable scanning tunneling microscope	Rs.73,53,386/-	Rs. 20,00,000/-	Rs. 93,53,386/-
16	IDP/MED/05/2014	Dr. Dinesh Kalyanasundaram, Centre for Biomedical Engineering, Indian Institute of Technology (IIT)-Delhi, Hauz Khas, New Delhi- 110 016.	Design and Development of fall prediction and protection system for pelvis & femur fractures : Preliminary study	Rs.26,78,162/-	Nil	Rs.26,78,162/-
17	IDP/MED/2014/08	Dr.Peush Sahni(Professor), Department of Gastro-intestinal (GI) Surgery, All India Institute of Medical Sciences(AIIMS),New Delhi- 110016	Development of an indigenous affordable no- frill enteral feeding pump	Rs.23,85,000/-	Nil	Rs.23,85,000/-
18	IDP/IND/17/2013	Dr. Shankar G Aggarwal, Senior Scientist, CSIR- National Physical Laboratory (NPL), Dr. K.S. Krishnan Marg, New Delhi- 110012	Designing, Development and Calibration of PM2.5 and PM10 High Volume Sampler	Rs. 49,62,980/-	Rs. 5,00,000/-	Rs. 54,62,980/-
19	IDP/MED/14/2012	Dr. T. Thyagarajan, Professor, Department of Instrumentation Engineering, MIT Campus, Anna University, Chennai-600 044, Tamil Nadu	Design & Development of Automated External Defibrillator	Rs. 28,66,600/-	Rs. 3,00,000/-	Rs. 31,66,600/-

20	IDP/MED/03/2014	Dr. Divya Mehrotra, Professor, Department of Oral & Maxillofacial Surgery, Faculty of Dental Sciences, Kind George's Medical University, Lucknow-226 003, Uttar Pradesh	An indigenous amalgamated/single unit alveolar distractor implant system for oral rehabilitation	. Rs. 41,27,750/-	. Rs. 4,00,000/-	. Rs. 45,27,750/-
21	IDP/IND/22/2013	Prof. (Dr) Tanu Jindal, Director, Amity Institute for Environmental Toxicology, Safety and Mangement, J1, Ground Floor, Amity University, Sector-125, Noida- 201 303, Uttar Pradesh	Development of a cost effective Lysimeter and Method for Leaching studies to estimate the risk assessment of Groundwater contamination	Rs. 34,15,280/-	Rs. 4,00,000/-	Rs. 38,15,280/-
22	IDP/IND/09/2015	Dr. G. Manikandan, Professor and Head, Department of Mechanical Engineering, Velammal College of Engineering & Technology, Velammal Nagar, Madurai-Rameshwaram High Road, Viraganoor, Madurai- 625 009, Tamil Nadu	Automatic button feeding- riveting machine for Garments industries	Rs. 15,19,100/-	Rs. 1,30,000/-	Rs. 16,49,100/-
23	IDP/IND/08/2015	Dr. D. Raja, Associate Professor, Department of Fashion Technology, Sona College of Technology, TPT Road, Salem – 636005, Tamil Nadu	Modification of Industrial- Grade Sewing Machine to make it User-friendly for Differently-abled Persons	Rs. 12,94,048/-	Rs. 1,29,405/-	Rs. 14,23,453/-

24	IDP/MED/2014/09	Dr.H.N.Suma, Prof &Head, Dept of Medical Electronics, B.M.S. College of Engineering Bangalore-19,Karnataka	Development of Low Cost,Safe,High resolution Easy to Use Digital X-ray	Rs. 53,37,200/-	Rs. 6,00,000/-	Rs. 59,37,200/-
25	IDP/IND/05/2012	Dr.Ajit Ashok Bhosale, Workshop Superintendent, MKSSS's Cummins College of Engineering for Women, Pune- 411052,Maharashtra.	Shelf life prediction machine for fruits (Apple)	Rs. 27,26,457/-	Rs. 2,70,000/-	Rs. 29,96,457/-
26	IDP/MED/02/2016	Dr. Bhaskar Agarwal, Assistant Professor, Department of Prosthodontic, King George's Medical University, Lucknow, UttarPradesh.	Development of a portable wheelchair recliner for individual with movement disability	Rs. 6,62,200/-	Nil	Rs. 6,62,200/-
27	IDP/MED/01/2016	Prof. Vrisha Madhuri, Professor, Unit of Pediatric Orthopedics, Christian Medical College (CMC), Vellore-632004,Tamil Nadu.	Validation of Padma Pada Clubfoot brace . .	Rs. 43,47,200/-	Nil	Rs. 43,47,200/-
28	IDP/MED/19/ 2015	Prof. Vinod K Agarwal, Director, Crucible of Research and Innovation (CORI), PES Institute of Technology, PESIT Campus, 100 Feet Ring Road, BSK III Stage, Bangalore-560085,Karnataka	Development of blood pump to be used in hemodialysis machines, blood bank and Pharmaceutical applications".	Rs. 27,19,200/-	Rs. 2,50,000/-	Rs. 29,69,200/-

29	IDP/MED/24/ 2015	Dr. Sunita Kumbhat, Professor, Biosensor Laboratory, Department of Chemistry,,Jai Narain Vyas University, Jodhpur-342001,Rajasthan	Fabrication of nano- biochip for clinical diagnosis	Rs. 33,17,600/-	Rs. 3,00,000/-	Rs. 36,17,600/-
30	IDP/MED/20/2015	Dr. Meena Desai, Scientist-B, National Institute for Research in Reproductive Health, J.M Street Parel, Mumbai-400012,Maharashtra	Multiplexing of bone markers in an ELISA array and validation for the assessment of bone health”.	Rs. 24,80,000/-	Nil	Rs. 24,80,000/-
31	IDP/IND/23/ 2013	Dr. B.K. Yadav, Associate Professor & Head, Department Food Packaging and System Development, Indian Institute of Crop Processing Technology (IICPT), Pudukkottal Road, Thanjavur-613005, Tamil Nadu.	Quality evaluation of Litchi fruit by using E- Vision and E-Nose system health	Rs. 46,99,293/-	Rs. 4,00,000/-	Rs. 50,99,293/-
33	IDP/MED/11/ 2015	Dr. Radhakrishnan R Nair, Scientist –EII, Rajiv Gandhi Centre for Biotechnology, Bio innovation Centre, KINFRA Video Park, Thiruvananthapuram- 695585,Kerala.	Development of lateral flow device for species identification of snake bite and subsequent development of mobile phone based application of payload quantification	Rs. 79,31,800/-	Rs. 7,00,000/-	Rs. 86,31,800/-

34	IDP/MED/07/2015	Dr. S. Shenbaga Devi Professor and Director, Centre for Medical Electronics, Anna University, chennai600025 Tamil Nadu	Development of low cost sweep VEP system”.	Rs. 38,55,000/-	6,25,000/-	Rs. 44,80,000/-
35	IDP/MED/12/2015	Prof. (Dr) Nitin M Nagarkar, Director, All India Institute of Medical Sciences (AIIMS), Tatibandh, GE Road, Raipur- 492 099, Chhattisgarh	Technology enablement from Management to solution for Hearing impaired	Rs. 33,46,400/-	Rs. 3,30,801/-	Rs. 36,77,201/-
36	IDP/MED/15/2015	Dr. Rashmi Uddanwadiker, Assistant Professor, Department of Mechanical Engineering, Visvesvaraya National Institute of Technology (VNIT), Nagpur- 440 010, Maharashtra.	Development of Digital Dental Restoration (DDR) system	Rs. 37,36,800/-	Rs. 4,15,200/-	Rs. 41,52,000/-
37	IDP/MED/03/2015	Prof. (Dr) A. Lenin Fred, Mar Ephraem College of Engineering and Tedhnology, Malankara Hills, Elavuvilai- 629 171, Marthandam, Kanyakumar Distt, Tamil Nadu	Development of a portable instrument for medical image analyzing, compression and transmission compatible for CT/MRI low slice thickness images	Rs. 31,38,400/-	Rs. 3,00,000/-	Rs. 34,38,400/-
38	IDP/MED/09/2015	Dr. C. Lakshmi Deepika, Associate Professor & Head, Bio-medical Engineering Department, PSG College of Technology, Peelamedu, Coimbatore- 641 004, Tamil Nadu	Design and Development of a novel multi-parameter pain monitoring system for children	Rs. 27,29,546/-	Rs. 3,00,000/-	Rs. 30,29,546/-