

SPONSERED RESEARCH PROJECTS FROM INCEPTION

Amount Sanctioned : Rs 6,66,39,579 /-

S.No	Name of the Principal Investigator	Department	Sanctioned Letter Number with date	Project Title	Duration of the Project	Total Sanctioned Amount
1	Dr.S.Baskaran	ME	File No. 8-118/FDC/RPS (policy-1)/2019-20 dated 14.08.2020	Investigation and identification of machinability challenges of Hadfield steel through novel sustainable machining approach	3 years	Rs.18,93,922/-
2	P.I Dr.Srijan Sengupta,Co PI Dr.PBN Prasad,Co PI Dr.Harikrishna	ME, Physics	File Number: CRG/2019/001440 dated:14.12.2019	Novel in-situ volume contractible metal halide negative electrodes for high performance lithium-ion batteries	3 years	Rs.32,00,000/-
3	P.I Dr. Shanidul Hoque	ECE	File Number: SRG/2019/001744 dated:29.10.2019	Mobility Aware Spectrum Handoff Schemes under Heterogeneous Spectrum Environment (HetSE) in Cognitive Radio (CR) Cellular Network: Modeling and Simulation	2 years	Rs.13,72,590/-
4	P.I Dr. Chakkarapani M	EEE	File Number: SRG/2019/002288 dated:24.10.2019	An Effective Technique to Detect PV Array Faults and Predict the Lifetime of PV Modules in a Commercial PV Plant	2 years	Rs.16,34,800/-
5	P.I:Dr.Venkat Prasad Padhy	CSE	Ref No. ISRO/RES/2/428/19-20 dated 18.06.2019; S.O dated: 15.07.2019	Computational Electromagnetic (CEM) Modelling and Simulations for Remote Sensing by GNSS – Reflectometry Technique	2 years	Rs.27,04,000
6	Dr. Kuvar Satya Singh	Mathematics	File No.: ECR/2018/001185; dated 01/03/2019	Prediction of extreme severe cyclonic storms over North Indian Ocean using high resolution numerical modelling system for disaster preparedness	3years	Rs.19,07,000/-
7	P.I:Dr. Renjith Bhaskaran	Chemistry	Ref: DSF Contract ID: 14/2019). DSF Project ID: IN-2018-027	Modelling Potential Radio Sensitizer Molecules for Chemotherapy	1 year	Rs.14,50,000/-
8	P.I.: Dr. D. Arunbabu	Chemistry	Ref: DSF Contract ID: 09/2018). DSF Project ID: IN-2018-018	Stimuli Responsive Nanocomposite Polymer Hydrogels for the Fabrication of Desalination bags for Forward Osmosis Desalination	1 year	Rs.12,00,000/-

9	Dr.Seeni Meera & Dr. D. Arunbabu	Chemistry	File No. SP/YO/267/2018, dated:30.08.2018	Reclamation of Tomato Plant Waste into Eco-Friendly and Commercially Viable Paper Products	3 years	Rs.28,81,503/-
10	Dr. K. Kamakshi	Physics	File No. ECR/2017/002537, dated:20.09.2018	Development of SERS Based Sensor Using Graphene-Metal Nanoparticles Hybrid Structures for Detection of Pesticides	3years	Rs.46,63,740
11	Dr.Nanda Kumar Reddy	Physics	File No. ECR/2017/002868, dated:17.01.2018	Development of High Photoresponsivity Gallium Nitride-Based Metal/Insulator/Semiconductor (MIS) Schottky Barrier Ultraviolet Photodetectors	3 years	Rs.43,89,784/-
12	Dr. Girish Chandran V, Dr. C K Srinivasan and Manu Ravuri	ME	File No. 015/AMT Area-3-L1 , dated:20.09.2019	Additive Manufacturing for Improvement in Productivity and Preservation of Art in House-hold Clay Pottery Industry	2 years	Rs.10,00,000/-
13	Dr.B.Jagadeesh Babu	Physics	File No. ECR/2017/000633, dated:12.03.2018	Studies on TCO/TiO ₂ and TiO ₂ /CH ₃ NH ₃ SnI ₃ Interfaces Deposited by Sputtering and Spin Coating for Perovskite Type Solar Cell Applications	3 years	Rs.35,59,310/-
14	Mr. B. Chandra Sekhar	EEE	NRDMS/SC/ST/14/016(G), dated:05.01.2017	Investigations on DC Nano Grid for Rural Applications	2 years	Rs.15,00,000/-
15	Dr. Virendra Verma (Phy) & Dr. C. Kamal Basha (EEE)	Physics &EEE	File No. ECR/2016/001741, dated:26.07.2017	Magneto Electric Coupling in Alternate Multi-Nano Layers of Ferroelectric and Ferro Magnetic Materials on Planner and Stepped Interface Terminations	3 years	Rs.34,49,600/-
16	Mr Manu Ravuri	ME	File No. MRP-6744/16(SERO-UGC), dated:30.06.2018	Determination of mechanical properties of Aluminium metal matrix compsite parts produced by 3D printing	2 years	Rs.2,40,000/-
17	Dr. K. V. Narasimha Murthy	Maths	File No.MRP-6727/16(SERO-UGC), dated:30.06.2017	Stochastic Modeling of Seasonal and Annual Rainfall Patterns in Rayalseema Region	2 years	Rs.2,80,000/-

18	Dr Adinarayana	MBA	File No. MRP-6715/16(SERO-UGC), dated:March 2017	An emperical study on childlabour in unorganised sector in drought prone rayalaseema region of andhra pradesh	2 years	Rs.2,30,000/-
19	Dr. Mohd Mujahed Ali	MS	File No. MRP-6707/16(SERO-UGC), dated:30.06.2017	Skill Development for Enhancing Employability for Unemployed Youth of Andhra Pradesh Region	2 years	Rs.2,35,000/-
20	Dr. S. V. S. Ganga Devi	CA	File No. MRP-6543/16(SERO-UGC), dated:30.06.2017	Analyzing Ground Water Quality Using Data Mining Techniques for the Regions of Kadapa District, A.P. and Developing A Portal for Drinking Water Supply Management System	2 years	Rs.3,30,000/-
21	Mrs. A. Komala	CSE	File No. MRP-6530/16(SERO-UGC), dated:30.06.2017	A Context based Digital Assistant that Stores and Extracts Articles from National English Dailies.	2 years	Rs.2,20,000/-
22	Mr. V. Maruthi Prasad	CA	File No. MRP-6515/16(SERO-UGC), dated:30.06.2017	Detection Approach for Botnets with Cross Cluster Correlation	2 years	Rs.2,15,000/-
23	Dr. K. Mohan Kumar	Chemistry	File No. MRP-6396/16(SERO-UGC), dated:30.06.2017	Metal Nano Particles Supported on Heteroatom Doped Carbon Nanodots: Synthesis Characterization and Applications	2 years	Rs.3,20,000/-
24	Dr.K.Chandra Mohan	Chemistry	File No. MRP-6395/16(SERO-UGC), dated:26.03.2017	Development of ZnO-SnO2 Thin Films-Characterization and Study of their Solar Cell Applications	2 years	Rs.2,95,000/-
25	Dr. Dinesh Sharma	ECE	ROMRP-SERO-ELEC-2015-2016-15327	Analysis and Development of quality service in flexi base station environment	2 years	Rs.3,00,000/-
26	Dr. Seshageri Rao	MBA	ROMRP-SERO-ECON-2015-2016-46170	Problems and prospects aof small and medium enterprises in andhra pradesh	2 years	Rs.1,35,000/-
27	Dr. Sitharthan R	ECE	File No. ECR/2017/000259, dated:12.07.2017	Enhanced Hybrid Power Generating System for Rustic & Citified Electrification	3 Years	Rs.22,99,440/-
28	Dr. C. Yuvaraj & Mr. Bathina Sreenivasulu	ME	File No. R.4/2/UG/16-17/UG2017049, dated:12.04.2017	Development of High Strength Material for Micro Air Vehicle Structures	1 year	Rs.25,000/-

29	Dr. G. Uma	Physics	(i) File no. SR/WOS-A/EA-1015/2015 (G) dated 30/05/2016.	Ionospheric morphological studies using the COSMIC GPS radio occultation (RO) technique and developing reliable methods to screen out questionable electron density profiles	3 years	Rs.838000/-
			(ii) File no. SR/WOS-A/EA-1015/2015 (G) dated 28 th Sept. 2016.			
30	Dr.I.Arun & Dr.C.Yuvaraj	ME	File No.ECR/2016/000470, dated:08.09.2016	Investigation and Characterization of Electrical Discharge Coated (EDC) Alloys for Mitigation of Biological Fouling on Maritime Structures.	3 years	Rs.38,37,690/-
31	Dr.S.A.K.Jilani & Dr.S.Javeed Hussain	ECE	File No.SR/CSRI/61/2015, dated:11.05.2016	Design and Development of Brain Test Adequacy System to Improve Cognitive Index of Young India Using Non Invasive Brain Sensor and Artificial Neural Networks	3 Years	Rs.26,69,600/-
32	Dr. N. Subrahmanyam	Management studies	Lr From. C.Vasudevan, Head-BSE,IPF, dated:20.10.2015 Bombay Stock Exchange (BSE), Mumbai	Analysis of Performance for the last 5 years of BSE 500 Index Listed Infrastructure companies vis a vis Listed Fast Moving Consumer Goods companies.	1 year	Rs.60,000/-
33	Dr.P.Suryanarayana raju	ME	File No. YSS/2014/000894, dated:18.09.2015	Simulation and Analysis of Fire Accidents in Passenger Train Cars	3 years	Rs.25,79,600/-
34	Dr. G. Harinath gowd	ME	File No. SB/FTP/ETA-0178/2014, dated:20.07.2015	Experimental Investigations and Hybrid Approach for Modelling and Multi	3 years	Rs.34,39,000/-

				Objective Optimization of Pulsed Laser Milling of Micro-Channels		
35	Dr.S.Jeelani Begum	Maths	File No. SR/WOS-A/MS-07/2014, dated:12.05.2015	Some Studies On Domination Parameters of Cayley Graphs	3 years	Rs.26,40,000/-
36	Mrs. K. Madhavi	Maths	File No. SR/WOS-A/MS-09/2014, dated:17.07.2015	Computational Analysis of Boundary Layer of Non-Newtonian Fluids in Porous Media	3 years	Rs.20,30,000/-
37	Dr. J. L. Mazher Iqbal	ECE	File No. 43-295/2014(SR), dated:29.12.2015	3D Intelligent Information System for Identifying Suspicious Activity	3 Years	Rs.3,70,000/-
38	Dr. P. Paulose George	Chemistry	File No. 43-208/2014(SR), dated:01.09.2015	Synthesis of Mesostructured Materials by Using Novel Sugar Based Surfactants	3 years	Rs.5,58,000/-
39	Mr. Jagadeesh Babu . M	ECE	File No. MRP-6145/15(SERO/UGC), dated:01.01.2015	Monitoring of Water Level Variations in Rivers, Dams, Reservoirs and Flood Alert System Using Wireless Sensor Networks	2 Years	Rs.4,50,000/-
40	Mrs.M.R Indumathi	EFL	File No.MRP-6144/15(SERO/UGC), dated:01.01.2015	Effective Usage of Technology in Imparting Career Skills for Academically Backward Students of Engineering	2 years	Rs.3,00,000/-
41	Mr. V. Satish Kumar	ECE	File No.MRP-6143/15(SERO/UGC), dated:01.01.2015	Development of Advanced Image Processing Methods for Assessing and Monitoring the Content of Trees Outside Forests Using IRS High Resolution Satellite Images	2 Years	Rs.3,70,000/-
42	Mr Bathina Sreenivasulu	ME	File No. MRP-6099/15(SERO/UGC), dated:01.01.2015	Analysis and Optimization of Tube Hydroforming Process Parameters for Corrosion Resistance Material	2 years	Rs.3,85,000/-
43	Mr Gunasekhar Reddy M	ME	File No. MRP-6098/15(SERO/UGC), dated:01.01.2015	Design and Development of Hybrid Vehicle for Physically Challenged Persons	2 years	Rs.3,30,000/-
44	Mr. B. Sudhir	CA	MRP-6097/15(SERO/UGC), dated:01-01-2015	Decision Support System for Agricultural Land for Crops in Kadapa and Chittoor District	2 years	Rs.80,000/-

45	Mr Ismail. S	MS	File No.MRP-6096/15(SERO/UGC), dated:01.01.2015	A Study on Career Planning Absurd Among Students and its Impact on Employability	2 years	Rs.1,20,000/-
46	Ms Sivanvitha. J	EEE	File No.MRP-6095/15(SERO/UGC), dated:01.01.2015	Disaggregation of utilities energy consumption & GSM based communication smart meters	2 years	Rs.400000/-
47	Mr. M. Srujan Kumar Reddy	CSE	File No.MRP-6094/15(SERO/UGC), dated:01.01.2015	Development of a Cloud to Monitor and Track the Vehicles at Check Posts	2 years	Rs.52,000/-
48	Prof. M.Raja Reddy	physics	F.No.4-4/2014-15(MRP-SEM/UGC-SERO), November 2014 Proposal No. 808	Development of organic solar cell architectures for >15% power conversion efficiency	2 years	Rs.240000/-
49	Mr. K. Vasu	EEE	MRP-5420/14(SERO/UGC), dated:Aug 2014	Investigation of Certain Control Strategies on Brush-less DC Motor with Artificial Intelligence Applications	2 Years	Rs.4,20,000/-
50	Mr. K.V.V Raaju	MS	File No.MRP-4614/14(SERO/UGC), dated:MAR 2014	Study on Aadhaar Card Implementation in Chittoor District	2 years	Rs.2,00,000/-
51	Mr. A.SubbaRao	Maths	File No.MRP-4613/14(SERO/UGC), dated:MAR 2014	Thermal Radiation Eggets on a Non-Newtonian Oldroyd-b Nano Fluid from a Stretching Sheet in a Non-Darcy Porous Medium	2 years	Rs.3,20,000/-
52	Dr.M. Jeelani Begum	Maths	File No.MRP-4612/14(SERO/UGC), dated:MAR 2014	A Study on Some Domination Parameters of Quadratic Residue Cayley Graphs	2 years	Rs.3,00,000/-
53	Mr. K. Srinivas	MS	File No.MRP-4611/14(SERO/UGC), dated:MAR 2014	Challenges and Opportunities in Empowering Women of Backward Classes Through SHG's in Chittoor District in Andhra Pradesh	2 years	Rs.2,50,000/-
54	Mrs. Perepi Rajarajeswari	CSE	File No.MRP-4610/14(SERO/UGC), dated:MAR 2014	Development of Student Educational Learning System Based on Mobile Cloud Computing	2 years	Rs.2,10,000/-
55	Mr. Y C A Padmanabha Reddy	CSE	File No.MRP-4609/14(SERO/UGC), dated:MAR 2014	Semi-Supervised Learning and its Applications for Image and Document Categorization	2 years	Rs.1,85,000/-

56	Mr. M. V. Jagannatha Reddy	CSE	File No.MRP-4608/14(SERO/UGC), dated:MAR 2014	Expert System to Predict the Type of Fever using Data Mining Techniques on Medical Databases	2 years	Rs.2,05,000/-
57	Mrs.Athar Samina Khan.D	EFL	File No.MRP-4607/14(SERO/UGC), dated:MAR 2014	Rendition of English Language in the Classes of Higher Education: A Study	2 years	Rs.2,70,000/-
58	Mrs.M. Parvathi	EFL	File No.MRP-4606/14(SERO/UGC), dated:MAR 2014	Wise Usage of Technology in English Language Class Room by Professional Students: A Study	2 years	Rs.2,75,000/-
59	Mrs.K.Latha	EFL	File No.MRP-4605/14(SERO/UGC), dated:MAR 2014	English as a Tool for Enhancing Employability for Ability for Engineering Graduates	2 years	Rs.2,75,000/-
60	Dr. C. Yuvaraj & Mr. Bathina Sreenivasulu	ME	File No. R.4/2/UG/13-14(IE), dated:23.10.2013	Design and Fabrication of Multi-Crop Smashing Combination Thresher	1 year	Rs.50,000/-