

## Details of the new projects supported in the financial year 2019-20

Title of the Scheme: **SYST**

Sl.No	Project Title	Name of PI & Address	State	Amount sanctioned in Rupees		Amount released in Rupees	
				Recurring	Non-recurring	Recurring	Non-recurring
1	SP/YO/565/2018 A solar assisted combined cooling, heating and power plant: an alternate rural energy source	Mr. Santanu Prasad Datta, Assistant Professor, BITS Pilani – Hyderabad Campus, Jawahar Nagar, Kapra Mandal, Hyderabad, 500078, Telangana.	Telangana	1842496	1998000	718208	1998000
2	SP/YO/407/2018 Multimodal user-interface for assisting elderly people in indoor environment	Dr. Joyeeta Singha. The LNM Institute of Information Technology, Jaipur, Rajasthan 302031	Rajasthan	2071068	312618	650769	312618
3	SP/YO/2019/944 Artificial Intelligence and IoT Based UAV System for Crop Health Monitoring and Forecasting	Dr. Shrivishal Tripathi, Professor, Dr. SPM International Institute of Information Technology, Naya Raipur (Dr. SPM IIIT-Raipur), Plot No. 7, Sector 24, Atal Nagar.	Chhatisgarh	1869520	500000	1116760	500000
4	SP/YO/2019/974 Automation of farming tools for smart farming using android application (A Gaming Approach)	Md Sharfuddin Waseem , Assistant Professor, Department of Computer Science Engineering, Kakatiya Institute of Technology and Science (KITS), Hasanparthy, Warangal-506015	Telangana	3042336	1001000	1007512	1001000

5	SP/YO/2019/1599 Sophisticated Flexible super-capacitor for high energy storage application based on nano-materials	Dr. CH. Shilpa Chakra ,Institute of Science and Technology, Jawaharlal Nehru Technological University Hyderabad(JNTUH), Hyderabad, Kukatpalli-500085,	Telangana	2769868	1638000	1028822	1638000
6	SP/YO/2019/856 IoT enabled performance evaluation system for transformers in rural areas	Mr. Raja Raghavan M, CSIR-Central Scientific Instrument Organization (CSIO), CSIR-Madras Complex, Taramani Chennai-600 113	Tamil Nadu	2065632	300000	1034016	300000
7	SP/YO/2019/1345 Development of Fresh Water Pearl Culture Unit Based on IoT -Data Analytics	Dr. Munesh Singh, Assistant Professor, Department of Computer Science and Engineering, Indian Institute of Information Technology Design and Manufacturing, Melakottaiyur, Kancheepuram, Chennai-600127.	Tamil Nadu	1484574	155494	527304	155494
8	SP/YO/2019/1425 IoT based soil parameter tester for comparison of fertilizer free natural farming and chemical fertilizer based farming	Dr. Ganesh C Patil, Assistant Professor, Centre for VLSI and Nano Technology, Visvesvaraya National Institute of Technology (VNIT), Nagpur-440010,	Maharashtra	2364120	0	914760	0

9	SP/YO/2019/1589 Utilization of non edible de oiled cakes for environmental sustainability	Dr. Minal Deshmukh, Assistant Professor, Department of Petroleum and Petrochemical Engineering, Dr. Viswanath Karad MIT World Peace University, Paud road, Kothrud, Pune—411038	Maharashtra	2797090	2188657	1111274	2188657
10	SP/YO/2019/989 Smart Sensor Network platform for irrigation scheduling in saffron and rice in Kashmir, India	Dr Eajaz Ahmad Dar, Scientist (Agronomy), Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir (SKUAST), Village Lassipora Post Waterhail, Shalimar-191111,Srinagar, Jammu and Kashmir	Jammu & Kashmir	3106921	1242790	0	1242790
11	SP/YO/2019/1616 Development and Field Validation of a Low Cost Rainbow trout Hatchery Technology for Livelihood Enhancement of Ladakhi Population	Dr. Mohammed Iqbal M Mir, Faculty of Fisheries, Sher E Kashmir University of Agricultural Sciences and Technology of Kashmir,Rangil, Nagbal.-Srinagar-190 006,Wachi Shopian.	Jammu & Kashmir	3397544	730000	1150600	730000
12	SP/YO/2019/1598 Artificial intelligence based vision for grasp classification in prosthetic hands	Mr. Srikanth Vasamsetti, Senior Scientist, Computational Instrumentation Department, CSIR- Central Scientific Instruments Organisation (CSIO), Sector 30-C, Chandigarh-160030, Punjab	Punjab	2460288	492000	0	492000

13	SP/YO/2019/1157 Adoption of artificial intelligence for the management of potato diseases in Punjab	Sh. Amit Verma, Assistant Professor, Chandigarh University, Gharuan, Mohali – 140413 (Punjab)	Punjab	2306464	897000	0	897000
14	SP/YO/2019/1441 Design and development of hybrid delivery system for indigenously developed green cutting fluid	Sh. Rahul Katna, Young Scientist, Delhi Institute of Tool Engineering, Maa Anandmayee Marg, Okhla Industrial Area, Phase-II, New Delh-110020.	Delhi	2640448	800000	0	800000
15	SP/YO/2019/1052 Design and Development of coconut harvesting robot	Dr. Ravi Kumar Mandava, Assistant Professor, Vignan's Foundation for Science, Technology and Research, Vadlamudi, Guntur-522213, Andhra Pradesh.	Andhra Pradesh	2195166	121500	0	101500
16	SP/YO/2019/948 Synthesis of High Strength and corrosion resistant nanostructures stainless steels by selective laser melting	Dr. Shamanth V, Associate Professor, REVA University, Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bangalore 560064, Karnataka.	Karnataka	2505196	925000	0	925000
17	SP/YO/2019/904 Design and Development of sensor based early pest detection technology	Er. Utpal Ekka, Scientist, Div. of Agricultural Engineering, ICAR-Indian Agricultural Research Institute, Pusa Campus, New Delhi. 110012	Delhi	1130542	2278773	629422	2278773

18	SP/YO/2019/1123 Laser additive manufacturing of tungsten carbide tool for friction stir welding of aluminium to steel	Dr. Shitanshu Shekhar Chakraborty, Scientist, CSIR - Central Mechanical Engineering Research Institute (CMERI), M. G. Avenue, Durgapur - 713209, West Bengal	West Bengal	2738439	966482	803079	966482
19	SP/YO/2019/1579 Integrated low pressure membrane system (ILPMS) for water purification and disinfection	Mr. Swatantra Pratap Singh, Assistant Professor, Department of Environmental Science and Engineering, Indian Institute of Technology (IIT) Bombay, Powai, Mumbai-400076, Maharashtra.	Maharashtra	2790828	1900000	0	1900000
20	SP/YO/2019/1432 Rationally Designed Flexible Three Dimensional Interconnected piezoelectric composites foam for Highly Efficient Mechanical Energy Harvesting	Dr. R. Ananthakumar, Junior Scientist, School of Advanced Research in Polymers, LARPM, Central Institute of Plastic Engineering & Technology, B/25, CNI Complex, Patia, Bhubaneswar-751024, Odisha.	Odisha	2320260	650000	0	650000
21	SP/YO/2019/879 Design and development of induction based air assisted electrostatic sprayer	Dr. Bikram Jyoti, Scientist, ICAR - Central Institute of Agricultural Engineering, Nabibagh, Berasia Road, Bhopal, 462038, Madhya Pradesh.	Madhya Pradesh	2518260	1100000	0	1100000

22	SP/YO/2019/1554 Electrochemical additive manufacturing process for sculptures, statues and decorative arts applications.	Dr. Surender Kumar, Scientist - C, CSIR –Advanced Materials and Process Research Institute (AMPRI), Hoshangabad Road, Near Habib Ganj Nakka, Bhopal - 462026, Madhya Pradesh.	Madhya Pradesh	4809753	2100000	1687251	1750000
23	SP/YO/2019/1047 Capacitive Deionization for salt Recovery from RO Reject	Ms. T.Santhoshini Priya, Assistant Professor, Department of Chemical Engineering, AC Tech., Anna University, Chennai-600025, Tamil Nadu	Tamil Nadu	1875400	1000000	674200	1000000
24	SP/YO/142/2018 “Design and development of tooth coloured ceramic dental braces set by micro-ceramic injection moulding”	Dr. Prosenjit Das, CSIR- Central Mechanical Engineering Research Institute, Durgapur. West Bengal	West Bengal	3041280	0	1157760	0