

Office Research and Consultancy National Institute of Technology Trichirappalli Existing and Completing Project - 2020-21, 2021-22, 2022-23, 2023-24, 2025-26									
S.NO	Project	Agency	Year	PI	Dept	Amount Sanctioned Rs.	sanction-order	period	Status
1	Design of sliding mode controller for biped walking	DRDO- CARS	20-21	Dr.Ezhilaras D	ICE	1,453,930.00	DEBEL /DMT/DER17/CARS/03 DT:29.11.2019	1 Year	Completed
2	Development of high strength and low young's modulus , bioactive and antibacterial porous titanium structure for orthopaedic implants	DST	20-21	Dr.N.Ramesh Babu	MME	3,645,062.00	DST/INT/CZC1/P-06/2019	3 Years	Completed
3	Design and development of algorithms for underwater target classification employing data augmentation and incremental learning	DRDO- CARS	20-21	Dr.C.Mala	CSE	997,000.00	NPOI/20CR007/PD/GN/LP	1.5 Years	Completed
4	Survey of availability, quality for biomass of relevance to cement industry	IITM	20-21	DR.V.M.Jaganathan	DEE	3,802,088.00			Completed
5	Analysis of aerial intelligent reflecting surfaces for application in 6G wireless system	SICTSCRIG	20-21	Dr. Sudharsan P	ECE	1,000,000.00		2 Years	Completed
6	SERB-TARE Grant	SERB-TARE	20-21	Mentor Dr.K.Sivaprasad PI Dr. Prabukumar	MME	1,830,000.00	TAR/2020/00416 DT:15.12.2020	3 Years	Completed
7	SERB-TARE Grant	SERB-TARE	20-21	Mentor Dr.G.Saravana Ilango PI Dr. Kamalashree	EEE	1,830,000.00	TAR/2020/002316 DT:22.12.2020	3 Years	Completed
8	SERB-TARE Grant	SERB-TARE	20-21	Mentor Dr.D.SRIRAM KUMAR PI Dr. Balamurugan	ECE	1,830,000.00	TAR/2020/00231 DT:19.12.2020	3 Years	Completed
9	Design and development of WIG Device based high current converters for industry applications	MEITY	20-21	Dr.S.Senthil kumar	EEE	8,376,000.00	25(2)/2020-ESDA	3 Years	Completed
10	Evaluation of pavement performance of coir reinforced rural roads in tamilnadu	COIR BOARD	20-21	Dr.V.Sunitha	CIVIL	7,231,000.00	14206/3/2020-CCRI/815 DT:08.02.2021	1 Year	Existing
11	Hunting representative sensors and constructing regression model between sensor outcomes using ML	GTR-DRDO	20-21	Dr.E.S.Gopi	ECE	1,982,068.00	GTER/MMG/BMR1/1152/20	1.5 Years	Completed
12	SERB-TARE Grant	SERB-TARE	20-21	Mentor Dr.C.Mala / PI Dr.goetha	CSE	1,830,000.00	TAR/2020/00259 DT:19.12.2020	3 Years	Completed
13	Development of oxide dispersion strengthened tungsten heavy alloys: study their structure-property relation.	DRDO	20-21	Dr.S.kumar	MME	8,717,744.00	ARMREB/MAA/2021/332 DT:29.01.2021	3 Years	Completed
14	Wireless sensor node for online data transfer of parameters from electrical machines and drives	MEITY	20-21	Dr.S.Moorthi	EEE	5,544,000.00	NO.25(2)2020-ESDA DT:28.05.2020	3 Years	Completed
15	Development of Graphene based nanomaterials for bioelectricity generation through ternary wastewater treatment using microbial fuel cell	DST	20-21	Dr.N.Samsudeen	CHL	910,000.00	DST/INT/ICVY/PI/P-25/2019 DT:05.11.2020	2 Years	Completed
16	Design of controller for buck converter	ISRO-STIC	20-21	Dr.G.Saravana Ilango	EEE	1,279,344.00	NO.BRS_28-1301(2)/14/2020-Sec-2 DT:11.11.2020	2 Years	Completed
17	Design of digital signal process using SCL foundry	ISRO-STIC	20-21	Dr.Lakshminarayana	ECE	1,279,344.00	NO.BRS_28-1301(2)/14/2020-Sec-2 DT:11.11.2020	2 Years	Completed
18	Design and development of X band & Ka-band passive devices	ISRO-STIC	20-21	Dr.R.Pandeeswari	ECE	1,279,344.00	NO.BRS_28-1301(2)/14/2020-Sec-2 DT:11.11.2020	2 Years	Completed
19	LC Bandpass Filter for space Technology	ISRO-STIC	20-21	Dr.S.Senthil kumar	EEE	1,719,210.00	NO.BRS_28-1301(2)/14/2020-Sec-2 DT:11.11.2020	1.5 Years	Completed
20	Design and development of ferrite dielectric based microstrip isolator for s-band application	ISRO-STIC	20-21	Dr.S.S.Karthikeyan	ECE	2,465,100.00	NO.BRS_28-1301(2)/14/2020-Sec-2 DT:11.11.2020	2 Years	Completed
21	Fracture of ammonium perchlorate crystal particles under compression, shear and impact	ISRO-STIC	20-21	Dr.J.Sarat chandra babu	CHL	3,209,844.00	NO.BRS_28-1301(2)/14/2020-Sec-2 DT:11.11.2020	1.5 Years	Completed
22	Application of Natural fiber reinforced polymer as alternative to synthetic fiber reinforced polymers	TATA	21-22	Dr.R.Manjula	CIV			1 Year	Completed
23	Design and development of low cost multifunctional lower limb exoskeleton system for motion assistance to paraplegics	SERB	21-22	Dr.Ezhilaras	ICE	4,256,164.00	SFC/2021/00440 DT:05.06.2021	3 Years	Existing
24	"Biomass driven trigeneration system for improving the livelihood of Scheduled Tribes at Athanavur village, Yelagiri Hills, Tamil Nadu"	DST	21-22	Dr.V.M.Jaganathan	DEE	10,812,139.00	NO.DST/SEED/TSP/STI/2020/243/G DT:31.03.2021	3 Years	Completed
25	Development of 3D Printed wearable button antenna for soldier performance monitoring application	SERB	21-22	Dr.S.S.Karthikeyan	ECE	5,053,461.00	FILE:NO/IMP/2018/002127 DT:22.02.2019	3 Years	Completed
26	"Synchronization of time delayed boolean networks and its application in image encryption"	DAE	21-22	Dr.K.Murugesan	MATHS	1,515,900.00	FILE:NO/2011/21/2021 NIRM(R P) R&D II 9243 DT:30.08.2021	3 Years	Completed
27	Sustainable energy system for achieving novel carbon neutral energy communities (SUSTENANCE)	DST	21-22	Dr.Saravana Ilango	EEE	11,860,080.00	FILE:NO/DST/TMD/INDIA/EU/ILIS/2020/19 DT:30.06.2021	3.5 Years	Existing
28	A 10 kw pilot PV Plant based on single axis solar tracking system using second level principle	DST	21-22	Dr.sishaj p simon	EEE	4,230,626.00	FILE:NO/DST/TMD/CERI/RIS/2020/35 (G) DT:27.08.2021	2 Years	Completed
29	A Versatile portable framework for economic & skill empowerment of women's sustainable livelihoods through digital literacy"	DST-SEED	21-22	Dr.M.Brintha	CSE	3,659,298.00	FILE:NO/SEED/WTP/2020/66(G) DT:17.08.2021	3 Years	Existing
30	"Machine learning / Artificial intelligence (ML/AI) hardware/software framework for eyemobile"	ISRO-RESPOND	21-22	Dr.Varun Gopi	ECE	4,955,000.00	NO/ISRO/RIS/3/877/21-22 DTA.09.2021	3 Years	Existing
31	"Design and Development of 'In-Situ Indigenous Soil Analysis system' for effective fertilization in Precision Farming"	CDAC	21-22	Dr.K.N.SHEERA	CHL	1,917,000.00	MOU	2 Years	Existing
32	MSME	MSME	21-22	Dr.C.ROOBALA	ADMIN	112,500.00	FILE:NO/17(2)CLCS-FUS/DESIGN/IT/NIT/SANCTION/2020-21 DT:05.03.2021		Completed
33	MSME	MSME	21-22	Dr.M.C.Sambhosh kumar	PHY	112,500.00	FILE:NO/17(2)CLCS-FUS/DESIGN/IT/NIT/SANCTION/2020-21 DT:05.03.2021		Completed
34	MSME	MSME	21-22	Dr.V.SUNITHA	CIV	97500+4192B	FILE:NO/17(2)CLCS-FUS/DESIGN/IT/NIT/SANCTION/2020-21 DT:05.03.2021		Completed
35	Design and analysis of armour solution against mine blast	DRDO	21-22	Dr.V.Senthil kumar	PRO	2,268,255.00	CVRDE/21CR002/MB/20-21/LP DT:03.02.2021/11.03.2021	1.5 Years	Completed
36	"On-line oil debris monitoring sensor"	DST	21-22	Dr.M.Umapathy	ICE	3,648,340.00	DST/IDI/DDP-43-2021(G) Dt:27.09.2021	3 Years	Existing
37	Exploitation of variable impedance self sensing behaviour of Magnetic shape memory alloy actuator for assistive devices	DST	21-22	Mrs.Themmozhi Ganapathy Mentor: Dr.Thanasakti	ICE	2,238,400.00	DST/WOS-B/HN-15/2021 -Themmozhi(G) Date 20.09.2021	3 Years	Completed
38	Design Expertise to Manufacturing MSME Sector under CLCS-tu Scheme	MSME	21-22	Dr.V.M.Jaganathan	DEE	1,218,281.00	FILE:NO/17(2)CLCS-FUS/DESIGN/IT/NIT/SANCTION/2020-21 DT:06.10.2021		Completed
39	Exploiting the practicability of Extracting platinum and palladium from the mineral beds of Attampudi village in Salem district of Tamil Nadu an experimental and molecular dynamics approach	Ministry of Mines	21-22	Dr.V.Karthik	MME	1,500,000.00	FILE:NO/Me4-14/29/2021 dt:01.12.2021	1 Year	Completed
40	Cross oxidative coupling/ cyclization cascade of amino acid enolate and enamines an umpolung strategy for a heterocyclic compounds (COACCCE)	SERB	21-22	Dr.Baby Viswambharan	CHY	3,308,040.00	FILE:NO/SRG/2021/002206 Dt:03.012.2021	2 Years	Completed

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41	Transition metal catalyzed carbo-functionalization of conjugated alkene system: En route to natural and drug cross	SERB	21-22	Dr.Jothi Lakshmi Nallathiruvam	CHY	3,943,764.00	E/NO-CRG/2021/008121 DT:13.12.2021	3 Years	Completed
42	Atomistic simulations of photoexcited processes of carbon dots based nanohybrids for rational design of efficient light harvesters	SERB	21-22	Dr.Saranandam Sarikar	CHY	2,095,764.00	E/NO-CRG/2021/002893 DT:13.12.2021	3 Years	Completed
43	Development of optimization models and decision support system for national highways	NHAI	21-22	Dr.V.SUNITHA	CIV	6,886,600.00	NHAI/SRD&Q/138/2020/327 DT:22.10.2020	3 Years	Existing
44	Spatio temporal Modeling and Analysis of Urban Heat Island Effect over Bangalore and Hyderabad Cities in India using Geospatial Techniques	SERB		Dr.Aneesh mathew	CIV	2,967,400.00	SRG/2021/002067 DT:17.12.2021	2 Years	Completed
45	Using statistical data-mining techniques to understand the cumulative influence of geometrical and topological features on grain growth	SERB		Dr.PrinceGideon kubendran amos	MME	2,846,840.00	SRG/2021/000092 DT:30.12.2021	2 Years	Completed
46	NRDC-Innovation Facility Centre	NRDC	21-22	Dr. K.Muthukumar	CHL	591,000.00	NRDC/HQ/UFPC/2020-21 JULY 20, 2021	0.5 Years	Existing
47	SERB-TARE	SERB-TARE	21-22	Dr. Lenin Singaravelu	PRO	1,005,000.00	TAR/2021/000070 DT:21.12.2021	3 Years	Completed
48	SERB-NPDF	SERB-NPDF	21-22	Dr.Ponnulavan / Dr.N.Ramesh Babu	MME	2,131,200.00	PEF/2021/001973 DT:12.01.2022	2 Years	Completed
49	SERB-TARE	SERB-TARE	21-22	Dr.Mohammed Asif M / Mentor : K.Panner selvam	PRO	1,005,000.00	TAR/2021/000042 DT:11.1.2022	3 Years	Completed
50	SERB-TARE	SERB-TARE	21-22	Dr.V.Rajkumar Mentor - Dr.N.Sivashanmugam	Mechanical	1,005,000.00	TAR/2021/000014 DT:11.1.2022	3 Years	Completed
51	study on colliding andriod appsmittigating the throat using machine learning technique	SERB	21-22	Dr.R.Balakrishnan	CSE	1,598,120.00	SRG/2021/001898 DT:24.01.2022	2 Years	Completed
52	Tunable magnetic and magnetocaloric properties of rare earth free Fe-Ni-Cu crystalline and amorphous alloys through low cost chemical method for magnetic refrigeration applications	SERB-TARE	21-22	Dr.Justin Josephus	PHY	1,005,000.00	TAR/2021/000097 DT:25.01.2022	3 Years	Completed
53	Development of metal 3d printed lightweight flywheel and novel control algorithm for micro-grid energy storage applications	SERB	21-22	Dr.M.P.Selvan	EEE	3,036,264.00	CRG/2021/005521 DT:14.01.2022	3 Years	Completed
54	Orthogonal time frequency space modulation based index modulation of 6G Communication systems	SERB	21-22	Dr.P.Maheswaran P	ECE	1,606,940.00	SRG/2021/001406 DT:24.01.2022	2 Years	Completed
55	Design and development of a fully automated prototype of the ITM bio mass gasification system	GAIL	21-22	Dr.V.M.Jaganathan	DEE	9,783,970.00	GAIL/NOED/21117/5900000433 DT:25.11.2021	3 Years	Existing
56	SERB-TARE	SERB-TARE	21-22	Dr. Lenin Singaravelu	PRO	1,005,000.00	TAR/2021/000068 DT:01.02.2022	3 Years	Completed
57	SERB-TARE	SERB-TARE	21-22	Dr.Karthik kumar Mentor: Dr.S.Aasadan	CHY	1,005,000.00	TAR/2021/000043 DT:01.02.2022	3 Years	Completed
58	SERB-TARE	SERB-TARE	21-22	Dr.Aravind C K Mentor:Dr.Senthilkumar /EEE	EEE	105,000.00	TAR/2021/000096 DT:03.02.2022	3 Years	Completed
59	Deep learning based reconfigurable and multifunctional nanophotonic interconnects for hyperscale data centers and 6G Backhaul networks	SERB	21-22	Dr.G.Thavasi raj	ECE	2,513,764.00	CRG/2021/000646 DT:03.02.2022	3 Years	Completed
60	SERB-TARE	SERB-TARE	21-22	Dr. Lakshmi Narayanan	ECE	1,005,000.00	TAR/2021/000335 DT:03.02.2022	3 Years	Completed
61	Experimental Investigation On Conventional And Innovative Piles For Off Shore Wind Turbines (Ow) Foundation System Subjected To Long Term Cycle Loading	SERB	21-22	Dr. R.Deendayal	CIV	2,735,544.00	EEQ/2021/000045 DT:24.02.2022	3 Years	Completed
62	Research and development of secure and privacy preserving blockchain based smart contract and its application	SERB	21-22	Dr.Kanwar singh	CSE	2,297,614.00	EEQ/2021/000005 DT:25.02.2022	3 Years	Completed
63	Analysis of salt hydrates for thermal energy storage	ICE	21-22	DR.Jothi Shau	CHL	20,000.00	AG/R&D/2022/525 DT:03.02.2022	1 Year	Completed
64	Development of novel photocatalyst for treatment of textile effluent	ICE	21-22	DR.M.MATHESWARAN	CHL	20,000.00	AG/R&D/2022/524 DT:03.02.2022	1 Year	Completed
65	Microwave Catalytic Pyrolysis of E.waste using bimetal doped char for fuel Production	ICE	21-22	Dr.K.M.Meera Sherifa Begum	CHL	20,000.00	AG/R&D/2021/220-226 Dt:16-09-2021	1 Year	Completed
66	Development of novel sensing device for evaluating sensory impairment on diabetic foot to detect ulcer risk areas at early stage	DST-SEED	21-22	Dr.R.Periyasamy	ICE	2,003,320.00	SEED/TIDE/2019/638/G DT:25.02.2022	3 Years	Completed
67	(CSIR-CRRI joint project) - Development of Trip Generation Manual for Indian Cities	CSIR	21-22	Dr.O.Darshana	CIV	862,500.00	CSIR/CRRI/NITF/2021 DT:31.12.2021	1 Year	Completed
68	REMANUJAN-FELLOWSHIP	SERB	21-22	Dr.Saravankumar Elangovan	CHY	11,900,000.00	FILE NO:RFJ/2021/000062 DT:15.03.2022	5 YEARS	Completed
69	SERB-TARE	SERB	20-21	Dr.N.Sivakumaran	ICE	1,005,000.00	TAR/2020/000158	3 Years	Completed
70	Performance evaluation of cement concrete pavements in rural roads	NRDA	21-22	Dr. V.Sunitha	CIV	2,550,000.00	NRDA-PO10/21/2/2018-Dir(Tech) (E-361383)-7 dt:15.03.2022	1 Year	Existing
71	Realisation of Al Alloy AA219/AA2014 integrally stiffened cylindrical structure through flow forming	ISRO-RESPOND	21-22	Dr.Nagarajan	MME	8,435,000.00	ISRO/RAC-S/NITK/2021-22 DT:01.12.2021	2 Years	Existing
72	Synthesis of free-oxylene' organosilanes and their further application toward the synthetic and pharmaceutical chemistry	CSIR	21-22	Dr.Ganesh chandra Nandi	CHY	2,716,000.00	No.02(0445)/21/EMR DT:08.06.2021	3 Years	Existing
73	DST-FST	DST	22-23	Head of the Department	Maths	4,900,000.00	No.SR/FST/MS-J/2020/74(C) Dt:31.05.2022	5 Years	Completed
74	Analysis and design of modified SEPIC converter with wide bandwidth device for high frequency application	TIE	22-23	MS.Sandhuja Selvam Dr.Mageswari Sannasy	Guide	80,000.00	R6/2/DR/2021-22/DR202004 DT:22.04.2022		Completed
75	Solar PV FED Modified induction motor drive (MMD) For water pumping Application'	TIE	22-23	Ms.Bhakti Pralash Bachapatti Guide-Dr.R.L.Josephine	Guide	620,000.00	R6/2/DR/2021-22/DR202005 DT:22.04.2022		Completed
76	Development of ammonia based flexible heat pipe for space application	ISRO-STIC	22-23	Dr.S.Suresh	MECH	2,499,112.00	YS/PD-IP-344	2 Years	Completed
77	Development of Bi-directional Battery charger -Discharge Regulator (BCDR)	ISRO-STIC	22-23	Dr.Shelays Suthyan	EEE	2,016,000.00	YS/PD-IP-345	2 Years	Completed
78	INSPIRE FELLOW	DST - INSPIRE	22-23	Dr. K.Muthiakumar Mrs. Jayasudha	CHL	458,960.00	DST/INSPIRE FELLOWSHIP/2020/IF200221 DT:9.7.2022	5 Years	Existing
79	INSPIRE FELLOW	DST - INSPIRE	22-23	Dr. Annapureddy Venkateswarlu Mr. Nayakram	PHY	458,960.00	DST/INSPIRE FELLOWSHIP/2020/IF200248 DT:9.7.2022	5 Years	Existing
80	Design And Development Of Robotic Based Continuous Fiberadditive Manufacturing System	DREDO	22-23	Dr.Darainivam M	PRO	22,435,400.00	ERIP/ER/202201001/M/01/1799 DT:02.05.222	3 Years	Existing
81	Min based melt spun ribbons for magnetic colling of naval equipments	DREDO	22-23	Dr. R.Nagalakshmi	PHY	3,323,700.00	NRB/4003/MAT/FG/495 DT:24.05.2022	3 Years	Existing

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82	DST-Materials MAP	DST	22-23	Dr.S.Suresh	MECH	6,125,716.00	DST/TMD/IC-MAP/2K20/09(C)	3 Years	Existing
83	Collaborative research for accelerated development of materials & devices for energy harvesting and conservation Technologies	DST	22-23	Dr.Sarthak Mandal	CIY	7,323,628.00	DST/TMD/IC-MAP/2K20/09(C)	3 Years	Existing
84	Vibration control of wind turbine blade	SERB	22-23	Dr. Kamal Krishna Bera	CIV	1,814,720.00	SRG/2022/000774 DT:06.10.2022	2 Years	Completed
85	Cellular automata based high quality pseudo random number generation for hardware security	SERB	22-23	Dr. Kamalika Bhattacharjee	CSE	676,280.00	SRG/2022/002098 DT:04.10.2022	2 Years	Completed
86	Cyber Bullying awareness and Prevention using emotion based gaming Application	SERB	22-23	Dr. Sitara	CSE	1,370,400.00	SRG/2022/001865 DT:21.10.2022	2 Years	Completed
87	Magnetism for environmental remediation	MSSP	22-23	Mr.A.Rasid	PHY	396,663.00		0.5 Years	Completed
88	Research on waterproofing and Retrofitting of structural Members	DYNAM	22-23	Dr.Senthikumar R	CIV	575,000.00		2.5 Years	Completed
89	Development of computer vision system for an AI assistant	ISRO-STIC	22-23	Dr.M.Sridevi	CSE	660,000.00		2 Years	Completed
90	"Development of New Electrode Using 92% Rutile Grade Flux with Improved Operability and Industrial Applicability"	IREL	22-23	Dr.S.P.Sivaprasadam	MECH	1,956,960.00	IREL/TDC/OM/22-23 DT:21.09.2022	1.5 Years	Completed
91	Exploring the Factors Influencing - Women Police Personnel Work Performance and Women Complainants	NCW	22-23	Dr.P.Sridevi	MBA	706,453.00	16(86)/2022-23/NCW/(RS) DT:29.09.2022	1 Year	Completed
92	Employing in-cell catalysis for cancer therapy: Design of N, N-Coordinating ligands and their ruthenium-arene complexes	SERB	22-23	Dr.R.Karvembu	Chemistry	2,171,400.00	File No.CRG/2022/00145 DT:08.12.2022	3 Years	Existing
93	Sustainable Energy-Efficient Green Ammonia Production by Plasma-water Interface	SERB	22-23	Dr.R.Anand	MECH	5,318,544.00	File No.EFQ/2022/000310 DT:02.02.2023	3 Years	Existing
94	Auxiliary inverter development for steering pump motor used in E-mobility	RANE	22-23	Dr.RL.Josephine	EEE	600,000.00	File No.4300-4900151976 DT:29.09.2022	08 Months	Completed
95	Study of room temperature forming behaviour of CP-Ti and Ti-6Al-4V alloy sheets during the incremental forming process for carinal applications	SERB	22-23	Dr.D.Nagarajan	MME	4,147,000.00	CRG/2022/005152 Dt:14-02-2023	3 Years	Existing
96	Prevention of premature failures and enhancing life of bottom rollers used in bucket wheel excavators	CMPDI	22-23	Dr.S.P.Kumaresh Babu	MME	14,677,000.00	CMPDI/MT-175/334 Dt:12-10-2022	2 Years	Completed
97	SERB TARE	SERB TARE	22-23	Dr.P.Sathya Dr.Vaira Vignesh	PRO	1,005,000.00	TAR/2022/000582 Dt:18-11-2022	3 Years	Completed
98	Energy Conservative Approach towards sewage water treatment integrated with power generation and Desalination using zeolites and Algal Biocharade	DST	22-23	Dr.N.Samuuden	CHL	5,349,569.00	DST/TMD/EWO/W11/DM/2021/2130 Dt:24-03-2023	3 Years	Existing
99	Development of a multi-axis actuation system for the probe in sub-surface scanning probe microscopy	SERB	22-23	Dr. Sri Ram Shankar Rajadurai	ICE	3,079,900.00	SRG/2022/001419-G Dt:19-01-2023	2 Years	Completed
100	Development of a mathematical system for performance evaluation of biodegradable plastic products towards environmental protection and lightweight sandwich structured artificial foot for below knee amputees	SERB	22-23	Dr.V.Satheshkumar	PRO	660,000.00	MTR/2022/000541 Dt:29-12-2022	3 Years	Existing
101	Implementation and Performance Evaluation of Dynamic Wireless Electric Vehicle Charging System	SERB	22-23	Dr.P.Srinivasarao Nayak	EEE	4,191,264.00	EEQ/2022/000667 Dt:14-02-2023	3 Years	Completed
102	SERB TARE	SERB TARE	21-22	Mentor: Dr.G.Uma Dr. Gobinath VK	ICE	1,005,000.00	TAR/2021/000173 Dt: 21-12-2021	3 Years	Completed
103	SERB TARE	SERB TARE	22-23	Mentor:Dr.M.Prenalatha Dr.Santhosh Kumar	DEE	1,005,000.00	TAR/2022/000608 Dt: 24-11-2022	3 Years	Completed
104	Life Cycle assessment of CO ₂ reduction by energy efficient hybrid biomass pyrolysis and gasification	DST BRICS	22-23	Dr.R.Anand	MECH	3,273,540.00	DST/IMBCD/BRICS/PlanCall3/CO ₂ CarboResidue/2019(C) Dt:02-01-2023	3 Years	Existing
105	Tuning Figure of Merit of Nanocrystalline Bi-Sb-Te-Se-Sn Thermoelectric Alloys via High Entropy Phenomena and Band Engineering and Fabricate Thermo-electric Generator	SERB	22-23	Dr.S.Kumaran	MME	5,412,000.00	CRG/2022/006264 Dt:02-03-2023	3 Years	Existing
106	Photoredox catalyzed radical cross coupling reaction/Strategic utility towards bioactive heterocycles	SERB	22-23	Dr.Jothi Lakshmi Nallasivam	CIY	5,358,300.00	EEQ/2022/001009 Dt:14-03-2023	3 Years	Existing
107	Digitization of solar Photovoltaic Supply chain through Artificial Intelligence and Blockchain Technology	SERB	22-23	Dr.P.Parthiban	PRO	3,093,794.00	EEQ/2022/000918 Dt:14-02-2023	3 Years	Existing
108	SERB TARE	SERB TARE	22-23	Dr.Kandasamy S Mentor:Dr.G.Swaminathan	CIV	1,005,000.00	TAR/2022/000558	3 Years	Existing
109	SERB TARE	SERB TARE	22-23	Dr.Prakash Bannal Mentor:Meera Sherifa Begum	CHL	1,005,000.00	TAR/2022/000572 Dt:29-11-2022	3 Years	Existing
110	Development of low cost high performance 3D electrocatalyst for hydrogen production	DST	22-23	Dr.C.Manjji Bhargavi Mentor:Dr.R.Karvembu	CIY	2,889,000.00	DST/WOS-A/CS-41/2021 (G) (Wise Kijari) Dt:16-02-2023	3 Years	Existing
111	Interactive Virtual Surgery Training Agent	IIT Mandi II Hub Foundation	23-24	Dr. M. Sridevi	CSE	1,732,500.00	IIT MANDI II Hub/RO/2023/007 Dt:11-04-2023	3 Years	Completed
112	Refurbishment of HDL personal computers/laptops with a focus on higher education institutions	Department of Higher Education ERSB Cell	23-24	Dr. S.Prasanna Venkatesan	PRO	544,000.00	F.No.1107/02/2022-ERSB Dt:22-03-2023	3 Years	Existing
113	Emerging Alternative Construction Technology for the Affordable lightweight housing in seismic prone areas	SERB	23-24	Dr.R.Senthikumar	CIV	2,033,900.00	CRG/2022/007518 Dt:14-06-2023	3 Years	Existing
114	Improve Protein Stability and Activity using Ionic Liquids	DST- Inspire Faculty Award	23-24	Dr.Debashis Majhi	CIY	11,000,000.00	Offer letter:DST/INSPIRE/04/2022/002706 Dt:27-02-2023	5 Years	Existing
115	"Development of smart foods, bio-composites, Green packaging and bio-energy from Agro-residues"	ICAR NASE	23-24	Dr.K.N.Sheeba	CHL	676,315.00	F.No.NASE/FME-9038/2023-24	2 Years	Existing
116	Fabrication of multichannel hollow fiber ultrafiltration and nanofiltration membranes enabled by nanostructured nanomaterials for water treatment	DST/PPMS	23-24	Dr.Arthanareeswaran	CHL	Rs.151,3680	DST/ILR/P-42/2023 (C)	2 Years	Existing
117	Laboratory and Field Performance Investigation of Rural Roads Stabilised with RRI Grade-81	NRDA/MRD,GOI	23-24	Dr.V.Sunitha	CIV	2,614,000.00	NRDA/3/2023-Dt(P-II) (E-383141) Dt:01-09-2023	1.5 Years	Existing
118	Soil-Monopile-Wave interaction study for monopile supported offshore wind turbine	SPARC	23-24	Dr.Mathukumar K	CIV	4,513,610.00	SPARC/2019-2020/P2652/SL	2 Years	Completed
119	Novel Technology for Residual Methane Abatement in Automotive Applications	SPARC	23-24	Dr.S.Velmuthi	CIY	4,136,120.00	SPARC/2019-2020/P2016/SL	2 Years	Completed
120	Role of HRM practices, Psychological Contract and Socioeconomic Factors in Gig Economy	SPARC	23-24	Dr.Nivethitha S	MBA	4,102,320.00	SPARC/2019-2020/P2528/SL	2 Years	Completed
121	Privacy Preserving and Secure Blockchain Technology and its Applications in Financial Sector	SPARC	23-24	Dr.Kanwar Singh	CSE	4,915,144.00	SPARC/2019-2020/P2028/SL	2 Years	Completed
122	Low Impact Damage Detection in Composite Plate using Modal Data and Shearlet Analysis	DRDO-AR & DB	23-24	Dr.R.Prakash	MECH	1,718,550.00	ARDB/2023/SF/2090 - 06.09.2023	2 Years	Existing

Office Research and Consultancy National Institute of Technology Trichirappalli Existing and Completing Project - 2020-21, 2021-22, 2022-23, 2023-24, 2025-26									
123	Innovative and Environment Friendly Ground Improvement Technique for Mitigate Seismic Soil Liquefaction Risk	SERB	23-24	Dr.K.Muthukumar	CIV	3,573,900.00	CRG/2022/00731 Dt:11-09-2023	3 Years	Existing
124	Fabrication of NASICON-structured Flexible Nanodibrous Electrolyte Sheets for All-Solid-State Sodium-Ion Batteries	SERB	23-24	Dr.Illa Mani Jijitha	MME	3,148,600.00	SRG/2023/00674 Dt:06-10-2023	2 Years	Existing
125	Micro-nano structured urinary catheters to minimize catheter-associated urinary tract infections (CAUTI)	STARS	23-24	Dr.Deepak Deepil Patil	PRO	7,362,400.00	MoI-STARS/STARS-2/2023-0665 Dt:26.09.2023	3 Years	Completed
126	Improvement of thermo-mechanical properties of aero-turbine blades through 3D printed austenite structures	DST	23-24	Dr.DuraiSelvam	PRO	4,587,668.00	DST/1DT/AM/2022/10 / (C)	2 Years	Existing
127	Advanced thermal insulation system comprising of Nano Lignin core Vacuum insulation panels (VIPs) and Micro Encapsulated phase change materials (MEPCM)	SPARC	23-24	Dr.Suresh	MECH	3,855,740.00	SPARC/2019-2020/P2066/SL	2 Years	Completed
128	Municipal solid waste (soil like materials) and geotextile interaction study for pavement subgrade and embankment application in soft ground	MoI-NTTM	23-24	Dr.K.Muthukumar	CIV	3,000,000.00	2/6/2022-NTTM Dt:17.07.2023	1 year	Existing
129	Development of Engine Performance Monitoring Module using Machine Learning Techniques	DRDO	23-24	Dr.C.Mala	CSE	1,543,100.00	GTRE/MMG/IMR1/1140/20/CARS/A/21 08-10-2021	2 Years	Existing
130	Intelligent controller for electric vehicle charging through wind energy conversion systems	SPARC	23-24	Dr.Venkatakrithiga	EEE	4,817,740.00	SPARC/2019-2020/P2646/SL	2 Years	Completed
131	Tribal Freedom Fighters of Wayanad	ICSSR	23-24	Dr.V.K.Karthika	HSS	500,000.00	F.No:02/56/2022-23/GN/TS/RP Dt:22-08-2023	1 Year	Completed
132	Chiral Donor/ Acceptor Decorated Multi-Resonance Thermally Activated Delayed Fluorescence Emitters for Highly Efficient Narrowband Circularly Polarized Luminescence	SERB	23-24	Dr. Arivaahagan C	CIIV	3,300,000.00	SRG/2023/002323 Dt:26-10-2023	2 Years	Existing
133	Ministry of Skill Development and Entrepreneurship (Pradhan Mantri Kaushal Vikas Yojna (PMKVY 4.0) - SKILLHUB	Project	23-24	Dr.J.Kirubakaran	MBA	750,035.00	D.O.No. 3-8-2023-TS-II		Existing
134	Ultra Low Power SHAKTI RESC V Based Lightweight Edge AI Processor for IoT enabled Healthcare Applications	Ministry of Electronics & Information Technology	23-24	Dr.Varun P. Gopi	EEE	9,600,000.00	Fund not received yet - NITT Amount	5 Years	Existing
135	Automated Segmentation and Analysis of Neonatal and Infant Brain Magnetic Resonance Images	SERB	23-24	Dr.Varun P. Gopi	ECE	2,293,348.00	FILE NO - EQQ/2023/000258/05.01.2024	3 Years	Existing
136	Predictive Coding for Identification of Ratio Decidendi in Indian Judicial Decisions	SERB	23-24	Dr. S.Jaya Nirmala	CSE	2,498,771.00	Sanction Order No:CRG/2023/007683	3 Years	Existing
137	Design and development of Fluidically Reconfigurable devices using 3D printing technology for future millimeter wave / 6G Applications	SERB	23-24	Dr. Karthikeyan S S	ECE	2,947,472.00	FILE NO - CRG/2023/006435-18.01.2024	3 Years	Existing
138	Deep Learning based Hyperspectral Image Super Resolution of Cultural Heritage Analysis	SERB	23-24	Dr.S.Devalakshmi	ECE	1,689,456.00	FILE NO - SIR/2022/011437-25.01.2024	0.5 Years	Completed
139	Development of Physics Informed Machine Learning Models for the Prediction of Fatigue in Calf Muscles	SERB	23-24	Dr.Karthick P A	ICE	1,775,400.00	FILE NO - CRG/2023/007424-18.01.2024	3 Years	Existing
140	Development of Novel Multimodal Fatigue Scoring System for Improving Neck and Cervical Spine Health	SERB	23-24	Dr.Karthick P A	ICE	1,676,400.00	File NO - CRG/2023/003939 - 23.01.2024	3 Years	Existing
141	Nonlocal and Nonlinear Vibration analysis of Functionally Graded Cracked Euler-Bernoulli Nanobeam	SERB	23-24	Dr.Prakash R	MECH	660,000.00	FILE NO - MTR/2023/000712 - 01.02.2024	3 Years	Existing
142	Stochastic Geometry analysis of vehicular communication networks	SERB	23-24	Dr. Sudhakaran Parthasarathy	ECE	660,000.00	FILE NO - MTR/2023/000933 - 05.02.2024	3 Years	Existing
143	Design Development and Testing of 2.5 kg/h Capacity Menstrual Pad Incineration System	MEMCARE ENVIRO SYSTEM	23-24	Dr.Jaganathan VM	DEE	861,300.00	No Section Order 21-09-2023	2 Years	Existing
144	Study on the Behaviour of Double Skinned Steel-concrete Composite Panel(DSCP) under bullet impact towards developing safety shelters for military personnel	SERB	23-24	Dr.Baskar K	CIV	3,654,189.00	CRG/2023/005841 Dated 23-02-2024	3 Years	Existing
145	Studies on Condition Assessment & Management Plan (CAMP) for Cauvery River Basin under National River Conservation Plan	NRCD	23-24	Dr.Nisha Radhakrishnan	CIV	62,700,000.00	File No. J-24037/3/2020-NRCD-II Dated 12.03.2024	3 Years	Existing
146	National Post-Doctoral Fellowship Under SERB	SERB	23-24	Dr. S.Velmuthi	CIIV	2,827,200.00	PDF/2023/002700 Dated 27-03-2024	2 Years	Existing
147	National Post-Doctoral Fellowship Under SERB	SERB	23-24	Dr.M.DuraiSelvam	PRO	2,827,200.00	PDF/2023/000910 Dated 13-03-2024	2 Years	Existing
148	Development of Colorimetric on-off Receptors for Sensing Toxic Analytes in aqueous Medium	DRDO-CARS	24-25	Dr. S.Velmuthi	CIIV	994,000.00	Letter No: DLJ/PPRC/1025/1/86 Dated 24.01.2024	1.5 Years	Existing
149	Indigenous Anesthesia Depth monitoring system using Brain Monitoring Technology	ICMR	24-25	Dr. N. Sivakumar	ICE	1,556,680.00	R.11017/38/2023-GIA/1HR Dated 02-04-2024	3 Years	Existing
150	INSPIRE FELLOWSHIP	INSPIRE DST	24-25	Dr. M.C. Santosh Kumar (Supervisor) (JRF)	PHY	543,920.00	DST/INSPIRE Fellowship/2022/IF220312	5 Years	Existing
151	Additive manufacturing of Carbon allotropes based Invar composite for Aerospace applications	ISRO-STIC	24-25	Dr. T.Ramesh	MECH	2,000,000.00	ISROHQ/CBPO/NHTI/JMC/STIC/06/23	2 YEARS	Existing
152	Carbon Black and Ion-Functionalized Fillers Reinforced High Conductivity Polymers Nanocomposites: An Investigation Through Various Additive Manufacturing Techniques	SERB	24-25	Dr. T.Ramesh	MECH	2,616,688.00	FILE NO. CRG/2023/004213	2 YEARS	Existing
153	Detection of Crack Orientation in 3D Printed Composite Plate using Shearlet Transform	ANRF-SERB	24-25	Dr. R.Prakash	MECH	2,519,088.00	FILE NO. CRG/2023/004486 Dated:03.05.2024	2 YEARS	Existing
154	Geotechnical And Structural Investigations For Assessment Of Technical Status Of Unesco Temples In Tamilnadu	DST	24-25	Dr.K.Muthukumar	CIV	8,419,320.00	DST/SIRIC/SIRI-06/2022(G)	3 YEARS	Existing
155	Design Development and Testing of transcranial focused ultrasonic stimulation (tFUS) device for cognitive enhancement in military scenario (No.1SRB-416)	DRDO	24-25	Dr.Eshilrasi	ICE	4,599,672.00	No. 1SRB/01/15001/1SRB-416/15680/2024	3 YEARS	Existing
156	Study of the Technological Advancement in the Thermocouple Pyrometers and Different Types of Pyrometers used in the Industry	BIS	24-25	Dr.M.Unapathy	ICE	414,000.00	Project Code: ETD 0053	0.5 YEARS	Existing
157	Ultrasonic-assisted bioethanol production using potato peet waste as a sustainable biomass with amylose extracted from Potato Pwt.	DST	24-25	Dr.M.Premalatha	DEE	1,782,000.00	DST/WISE-PhD/ET/2023/34(G)	3 YEARS	Existing
158	SERB TARE	SERB	24-25	Dr.B.Karthikeyan	PHY	1,005,000.00	File No. TAR/2023/000171	3 YEARS	Existing
159	Enhancing Somaesthetic Reflection through Yoga and Performing Arts Using Effective HCL Technique for Creativity and Innovation	SPARC	24-25	Dr. Vinod Balakrishnan	HSS	7,382,501.00	SPARC/2019-2020/P2141/SL	2 Years	Completed
160	Design of Privacy-Preserving Decentralized IoT System for Different Applications Leveraging Blockchain Technology and Cryptographic Primitives	DST	24-25	Dr. Kunwar Singh	CSE	2,021,760.00	DST/WISE-PhD/ET/2023/94(G)	3 YEARS	Existing
161	Then nonlinear evolution for particulate models-Well-posedness, Asymptotic analysis and Numerical simulations	SERB	24-25	Dr.Jitnij Saha	MATHS	3,280,828.00	File No.CRG2023/001483	3 YEARS	Existing
162	INSPIRE Faculty Fellowship	DST	24-25	HOI	CIIV	3,280,828.00	Offer letter DST/INSPIRE/04/2023/000656 Dt: 22-03-2024	5 YEARS	Completed
163	Development of ultrasound assisted membrane bioreactor and aligned processes for sustainable enzyme reusable saccharification of cellulose-enriched waste biomass.	DBT	24-25	Dr. G.Arthanareeswaran	CHL	2,372,560.00	BT/PSE1413/PBD/26/848/2023(CN 19596) Date: 26.06.2024	3 YEARS	Existing

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164	Autonomous Metasurface Enhanced Electronically Reconfigurable mmWave Leaky-Wave Antennas for 5G Beamforming	SPARC	24-25	Dr.Pandeeswari R	ECE	6,810,000.00	SPARC/2024-2025/NXIG/P3223 Date: 29/04/2024	2 YEARS	Existing
165	Design of Unidirectional Antennas using High Impedance Surfaces	DRDO	24-25	Dr. Hemant Kumar	ECE	920,400.00	PGD/ADWS/7771/DL/1 Date: 01-07-2024	1 YEAR	Existing
166	LIJV Assisted and Reconfigurable Intelligent Surface Supported B5G Communication	SPARC	24-25	Dr. P. Muthuchidambaramanathan	ECE	6,810,000.00	No. SPARC/2024-2025/NXIG/P3524 Date: 29-04-2024	2 YEARS	Existing
167	Development of Low-Cost Modular Magnetic Actuation System for Microswimming Applications	DAE - BRNS	24-25	Dr. Takkellambam Somanaiy Singh	PHY	1,150,500.00	No:59/20/01/2024/BRNS/187 Date: 06/06/2024	2 YEARS	Existing
168	Impact Assessment of the Effectiveness of Learning and Innovation Skills in Empowering SEIGs (Socio Economically Disadvantaged Groups) of Selected HEIs in Tamil Nadu	ICSSR	24-25	Dr. S.Mekala	HSS	860,000.00	ICSSR/RPD/MN/2023-24/CBC/160	12 Months	Existing
169	Innovative Utilization of Biopolymers as a Green Adhesive for the Stabilization of Expansive Soils	SERB - TARE	24-25	Dr. K.Muthukumar	CIV	1,005,000.00	TAR/2023/000385	36 Months	Existing
170	Deep Learning for Biomedical Signal & Image Processing: A Hands-On Approach	SERB - KARYASHALA	24-25	Dr. Bibin Francis	ECE	500,000.00	AV/KAR/2023/0664		Completed
171	Manufacturing and Characterization of Advanced Materials for Health Care and Defense Applications	SERB - ANRF - Seminar / Symposia Scheme	24-25	Dr. Sathya Paulraj	PRO	200,000.00	SSY/2024/00819	6 Days	Completed
172	Deceptive Defences - Exploring the Role of Cyber Deception in Fortifying the Indian Power Grid Against Ransomware Attacks	Powergrid	24-25	Dr. Ghanshyam S Bopche	CA	2,667,624.00	PGCoE/24-25/External-Projects/NIT-Trichy-01	24 Months	Existing
173	A Novel Resynchronization Methodology for Active Distribution Networks	SERB	24-25	Dr.Suman M	EEE	2,841,720.00	CRG/2023/004358 23-09-24	36 Months	Existing
174	A Novel Moment Resisting Bolted Beam-Column connection Method for Tubular Steel Concrete Composite Structures	SERB	24-25	Dr.Mashaha Sulthana U	CIV	5,033,600.00	CRG/2023/005364 01-08-24	36 Months	Existing
175	SERB TARE	SERB TARE	24-25	Dr. R.Jeyapaul	PRO	1,005,000.00	TAR/2023/000373	36 Months	Existing
176	Underwater Surveillance Perception Quality Assessment: A Multi Modal Perception Quality Assessment Framework for object Detection and Recognition in Autonomous Under Water Vehicles	BIT Guwahati Technology Innovation And Development Foundation	24-25	Dr. Bindha	CSE	1,400,000.00	TU/IT/0414	36 Months	Existing
177	Study of Grades, Chemicals, Mechanical and Physical Properties and Applications of Pure Molybdenum and Molybdenum alloy Plate, Sheet, Strip and Foil	BIS	24-25	Dr. S.P.Kumaresh Babu	MME	966,402.00	MTD 0139		Existing
178	A Deep Explainable Framework for Semantically Similar Document Retrieval and Summarization of Legal Text	SERB - ANRF	24-25	Dr.S.Sangeetha	CA	2,158,360.00	CRG/2023/007688 18-09-24	36 Months	Existing
179	Development of Unintentional Islanding Protection Scheme with Low Voltage & Frequency Ride Through Capability	SERB - ANRF	24-25	Dr.Suman M	EEE	3,323,144.00	File No. EEQ/2021/000033 16-03-2022	36 Months	Existing
180	Training Program on Entrepreneurship	DST	24-25	Dr.R.Anand	MECH	550,000.00	DST/09/97/2023-NER(TR) (C) 20-09-24	1 Year	Completed
181	Training Programme on Cross Drainage Structures in Rural Roads	NRDA	24-25	Dr.V.Sunitha	CIV	3,240,000.00	NRDA-T015(14)/152/2016-DirP-IJE-349778)	15 Days	Existing
182	To Strengthen the Research Facilities in the Department	DST-FIST	24-25	HoD - Dr. R. Justin Joseyphus	PHY	14,100,000.00	SR/FST/PS-1/2023/240 Dr.30-10-2023	5 Years	Existing
183	An Intelligent Schizophrenia Detection using OCT and OCT Angiography Image Analysis	DST	24-25	Dr. Varun P Gopi	ECE	4,046,025.00	DST/WISE-FUR/ET-72/2023(C) DATE: 17-08-2024	3 Years	Existing
184	SERB TARE	ANRF-SERB TARE	24-25	Dr. S.P. Sivapirakasam	MECH	1,005,000.00	FILE NO. TAR/2023/000166 DATE: 19-07-2024	3 Years	Existing
185	Configurable AC Electronics Load for Testing Solar Power Amplifier	DRDO	24-25	Dr. N.Kumaresan	EEE	11,893,993.00	DFTM/05/ECS/04/M/01/DIA-RC-EEITM/14	3 Years	Existing
186	SERB TARE	ANRF-SERB TARE	24-25	Dr. G. Arthanareeswaran	CHL	1,005,000.00	FILE NO. TAR/2023/000453 DATE: 14-10-2024	3 YEARS	Existing
187	Lifespan Study of Lithium-Based Electrodes in Capacitive Deionization Process for Lithium Extraction from Primary Sources: A Corrosion Analysis	The Institution of Engineers	24-25	Dr. Jyoti Sahu	CHL	100,000.00	Re/2/DR/2024-25/IR2025006	3 YEARS	Existing
188	Sustainable Power Generation using Biomass Gasification for Cold Storage Plant to Preserve Agro-Products of Tribal Communities in Top Sengattupatti	DST	24-25	Dr. R.Anand	MECH	9,949,116.00	DST/CEST/IRCG/OFF-GRID/SC-ST/2024/PROJ09(C)	3 YEARS	Existing
189	Approval of research project on "Development of a Nanomaterials-based Technology, Trichirappalli for Civil Engineering/ Infrastructure/ Science (including Geotechnical Engineering & Water Resources Engineering/ Oceanography) under National Textiles Mission (NTM) of Ministry of Textiles India."	MOF-NTM - 2.0	24-25	Dr. K.Muthukumar	CIV	60,072,107.00	4/3/2023-NTM(Education-2.0)	3 YEARS	Existing
190	Study on Pyrolysis Oil for Determination of Correlation Amongst Feedstock Composition Manufacturing Technology, and Performance Characteristic	BIS	24-25	Dr. Ruben Sudhakar D	DEE	761,260.00	MTD 0139	6 Months	Existing
191	Development of High-Performance Biocomposite Coating on Magnesium for Orthopedic Implant Applications	ANRF-SERB TARE	24-25	Dr. N. Ramosh Babu	MME	1,005,000.00	TAR/2023/000212	3 Years	Existing
192	Development and Application of Novel Solar Assisted Materials as Photocatalyst Sensitive in Full Solar Spectrum for Water Treatment including Degradation of Pharmaceutical and Personal Care Products and Energy Storage	CSIR	24-25	Dr.K.N.Sheeba	CHL	650,000.00	25WS(024)/2023-24/EMR-II/ASPIRE 16-04-24	3 Years	Existing
193	Government of India for the preparation of Enhanced Gram Panchayat Spatial Development Plans (GPSDP)	Ministry of Panchayat Raj	24-25	Dr. G.Subbajyan	ARC	1,000,000.00	N-11015/166/2020-PIESA 16-09-2020		Existing
194	Enhancement of Thermo-electric Efficiency of Silicon-Germanium Alloys via Nano-structuring and Band Engineering: High Energy Ball Milling and Spark Plasma Sintering Method	SERB-ANRF	24-25	Dr. S.Kumaran	MME	5,449,416.00	ANRF/IRG/2024/000150/ENS	3 Years	Existing
195	Development of Sustainable Recovery Methods for Lithium and Nickel from Spent Lithium-Ion and Nickel-Metal Hybrid Batteries	MoM	25-26	Dr. Lavman Mani Kanta Puppala	MME	8,839,752.00	Met-14/40/2024-Metal IV 07-01-2025	2 Years	Existing
196	To Strengthen the Research Facilities in the Department	DST-FIST	25-26	HOD - Dr.K.Srinivasan	ICE	14,500,000.00	SR/FST/ET-1/2024/1336 Dr. 20-12-2024	5 Years	Existing
197	Development of Student Centre for Innovation in Engineering & Technology (SCiEIT) and Tech Club Project	BPCL	25-26	Dr. Jee Prince Gideon Kubendran Amos	MME	9,641,536.00		14 Months	Existing
198	To Strengthen the Research Facilities in the Department	DST-FIST	25-26	HOD - Dr. K.Muthukumar	CIV	8,300,000.00	SR/FST/ET-1/2022/978 Dr. 19-12-2022	5 Years	Existing
199	Enhancement of fatigue resistance of Titanium based alloys of Aero-Engines components through high energy electromagnetic pulses	DRDO	25-26	Dr. Duraiselvam M	PRO	27,589,000.00	DFTM/04/3304/AE/05/M/01/ITB/68	2 Years	Existing
200	Euclidean and circum-Euclidean distance matrices: Characterizations and interlacing property	DAE-NBHM	25-26	Dr. I. Jeyaraman	MAT	428,000.00	02011/16/2025/NBHM(R.P)/RAD/II/9801	3 Years	Existing
201	Development of new material for bucket wheel teeth and its life improvement	NLC	25-26	Dr. S.P.Kumaresh Babu	MME	5,073,000.00	Le.No52/ CARD/CGM/EOJ/Projects/July/2025	2 Years	Existing
202	Sustainable Electrolysis-Driven Separation and Resource Recovery in Biorefinery	SPARC	25-26	Dr. G. Arthanareeswaran	CHL	12,520,000.00	SPARC/2025-2026/P4036	2 Years	Existing
203	Applying LLMs to Secure Software Development	SPARC	25-26	Dr. Janet	CA	7,573,200.00	SPARC/2025-2026/P4044	2 Years	Existing
204	Development of Next-generation Energy Materials for Efficient and Stable Perovskite Solar Cells	SPARC	25-26	Dr. S. Anandan	CHY	13,619,000.00	SPARC/2025-2026/P4048	2 Years	Existing

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205	Advanced Fluorescent Probes and Super-Resolution Spectral and Imaging Methods for Early Detection of Alzheimer's Disease	SPARC	25-26	Dr. Sarthak Mandal	CIIV	6,771,600.00	SPARC/2025-2026/P4114	2 Years	Existing
206	Design and Development of Fluid-based Reconfigurable Surfaces for Adaptive Electromagnetic Wave Control and Beam-Steering Applications	SPARC	25-26	Dr. S.S.Karthikeyan	ECE	9,738,000.00	SPARC/2025-2026/P4056	2 Years	Existing
207	Design and Development of Smart Electrospun Nanofiber Membranes (SENM)s for Targeted Metal Recovery in Waste Recycling Processes	MoM	25-26	Dr. V. Karthik	MME	998,550.00	Met4-14/29/2025 Metal IVSNTMOM/1616/2025	1 Year	Existing
208	Development of an Automated Computational Framework for BRC-Compliant Load Analysis and Structural Design of Bridge Components	TISPIL	25-26	Dr. Vanama Raghava Kumar	CIV	1,015,938.00	TISPIL/NITT/SO/VRK/2025/062	1.5 Year	Existing
209	Understanding Solutions in Chemotaxis-Driven Biological Systems: Existence, Blow-up and Asymptotic Behavior	ANRF SERB - MATRICS	25-26	Dr. Jitraj Saha	MAT	3,000,000.00	ANRF/ARGM/2025/000442/MTR	5 Years	Existing
210	Portable PV Integrated Multi Active Bridge Converter Based EV Charger for Metropolitan and Rural Area	Ministry of Electronics & Information Technology	25-26	Dr. G. Saravana Bango	EEE	13,828,384.00	No 25(Q)/ 2025-ESDA - 24-12-25	3 Years	Existing
211	Inspire Fellowship	DST	25-26	Dr. T.Sivasankar JRF - V S Anisha	CHL	310,800.00	DST/INSPIRE Fellowship/2024/IF240368	5 Years	Existing
212	Inspire Fellowship	DST	25-26	Dr. N.V Giridharan JRF - R. Dhillamasi	PHY	306,360.00	DST/INSPIRE Fellowship/2024/IF240385	5 Years	Existing
213	MicroSelect: A novel open-source platform for the AI-based assessment of critical microstructural features for properties-processing relation	ANRF SERB - ARG	25-26	Dr. -Jag Prince Gideon Kubendran Amos	MME	3,946,303.00	ANRF/ARG/2025/000213/ENS	3 Years	Existing
214	Damped Non-Hermitian Lattice Metamaterials with Flexoelectric and Piezoelectric Coupling for Wave Localization and Energy Harvesting	ANRF SERB - ARG	25-26	Dr. Kamal Krishna Bera	CIV	1,113,600.00	ANRF/ARG/2025/004977/ENS	3 Years	Existing
215	ANRF SERB - ARG	ANRF SERB - ARG	25-26	Dr. Shelas Sathyan	EEE	4,861,303.00	ANRF/ARG/2025/004060/ENS	3 Years	Existing
216	Development of a New Sustainable Ilmenite Based SMAW Electrode replacing the Conventional Rutile Coated Flux Formulations	ANRF SERB - ARG	25-26	Dr. S P Sivaprasadam	MECH	3,097,480.00	ANRF/ARG/2025/010606/ENS	3 Years	Existing
217	Hosting Capacity and Flexibility Market Enhancement using Decentralized Optimization in ISO-ISO-DER coordinated Framework	ANRF SERB - ARG	25-26	Dr. Ankur Singh Rana	EEE	2,504,640.00	ANRF/ARG/2025/003078/ENS	3 Years	Existing
218	Threat Modelling and Data-driven Cybersecurity Solution for Networked Microgrids	ANRF SERB - ARG	25-26	Dr. Dipanshu Nawate	EEE	2,504,640.00	ANRF/ARG/2025/000950/ENS	3 Years	Existing
219	Renewable-Integrated Smart EV Charging Platform Featuring Reconfigurability, Interoperability, and grid interactive Management (RIS)	ANRF SERB - ARG	25-26	Dr. V. Vignesh kumar	EEE	8,020,900.00	ANRF/ARG/2025/009774/ENS	3 Years	Existing