

Office Research and Consultancy
National Institute of Technology Tiruchirappalli
Existing and Completing Project 2020-21, 2021-22, 2022-23, 2023-24 & till now

S.NO	Project	Agency	Year	PI	Dept	sanction-order	period	Status
1	Design of sliding mode controller for biped walking	DRDO- CARS	20-21	Dr.Ezhilarasi D	ICE	DEBEL/DBMT/DEB117/CARS/03 DT:29.11.2019	1 Year	Completed
2	"Development of high strength and low young"smodulus , bioactive and antibacterial poroustitanium structure for orthopadiec implants"	DST	20-21	Dr.N.Ramesh Babu	MME	DST/INT/CZECH/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	NPOL/20CR0007/IPD/GN/LP	1.5 Years	Completed
4	Survey of availability, quality for biomadd of relevance to cement industry	IITM	202-21	DR.V.M.Jaganathan	DEE			Completed
5	Analysis of aerial intelligent reflecting surfaces for application in 6G wireless system	SICI-SICRG	20-21	Dr. Sudharsan P	ECE		2 Years	Completed
6	SERB-TARE Grant	SERB-TARE	20-21	Mentor Dr.K.Sivaprasad PI Dr. Prabhukumar	MME	TAR/2020/000416 DT:15.12.2020	3 Years	Existing
7	SERB-TARE Grant	SERB-TARE	20-21	Mentor Dr.G.Saravana Ilango PI Dr. Kamalesh MS	EEE	TAR/2020/00022116 DT:22.12.2020	3 Years	Existing
8	SERB-TARE Grant	SERB-TARE	20-21	Mentor Dr.D.SRIRAM KUMAR PI Dr.	ECE	TAR/2020/000231 DT:19.12.2020	3 Years	Existing
9	Design and development of WBG Device based high current converters for industry applications	MEITY	20-21	Dr.S.Senthil kumar	EEE	25(2)/2020-ESDA	3 Years	Existing
10	Evaluation of pavement performance of coir reinforced rural roads in tamilnadu	COIR BOARD	20-21	Dr.V..Sunitha	CIVIL	J-1206/3/2020-CCRI/815 DT:08.02.2021	1 Year	Existing
11	Hunting representative sensors and constructing regression model between sensor outcomes using ML	GTRE-DRDO	20-21	Dr.E.S.Gopi	ECE	GTER/MMG/BMR1/1132/20	1.5 Years	Completed
12	SERB-TARE Grant	SERB-TARE	20-21	Mentor Dr.C.Mala / PI Dr.geetha	CSE	TAR/2020/000259 Dt:19.12.2020	3 Years	Existing
13	Development of oxide dispersion strengthened tungsten heavy alloys: study their structure-property relation	DRDO	20-21	Dr.S.kumaran	MME	ARMREB/MAA/2021/332 DT:29.01.2021	3 Years	Existing
14	"Wireless sensor node for online data transfer of parameters from electrical machines and drives"	MEITY	20-21	Dr.S.Moorthi	EEE	NO:25(2)2020-ESDA DT:28.05.2020	3 Years	Existing
15	Development of Graphene based nanomaterials for bioelectricity generation through tannery wastewater treatment using microbial fuel cell	DST	20-21	Dr.N.Samsudeen	CHL	DST/INT/EGYPT/P-23/2019 DT:05.11.2020	2 Years	Existing
16	Design of controller for buck converter	ISRO-STIC	20-21	Dr.G.Saravana ilango	EEE	NO.BDS_2B-13012(2)/14/2020-Sec.2 Dt:11.11.2020	2 Years	Existing
17	Design of digital signal process using SCL foundry	ISRO-STIC	20-21	Dr.Lakshminarayanan	ECE	NO.BDS_2B-13012(2)/14/2020-Sec.2 Dt:11.11.2020	2 Years	Existing
18	Design and development of X band & Ka-band passive devices	ISRO-STIC	20-21	Dr.R.Pandeeswari	ECE	NO.BDS_2B-13012(2)/14/2020-Sec.2 Dt:11.11.2020	2 Years	Existing
19	LC Bandpass Filter for space Technology	ISRO-STIC	20-21	Dr.S.Senthil kumar	EEE	NO.BDS_2B-13012(2)/14/2020-Sec.2 Dt:11.11.2020	1.5 Years	Existing
20	Design and development of ferrite dielectric based microstrip isolator for x-band application	ISRO-STIC	20-21	Dr.S.S.Karthikeyan	ECE	NO.BDS_2B-13012(2)/14/2020-Sec.2 Dt:11.11.2020	2 Years	Existing
21	Fracture of ammonium perchlorate crystal particles under compression, shear and impact	ISRO-STIC	20-21	Dr.J.Sarat chandra babu	CHL	NO.BDS_2B-13012(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.Ezhilarasi	ICE	SPG/2021/001420 DT:03.06.2021	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	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	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	FILE NO:02011/21/2021 NBHM(R P) R&D II 9243 DT :10.08.2021	3 Years	Existing
27	Sustainable energy system for achieving novel carbon neutral energy communities (SUSTENANCE)	DST	21-22	Dr.Saravana Ilango	EEE	FILE NO:DST/TMD/INDIA/EU/ILES/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 lever principle"	DST	21-22	Dr.sishaj p simon	EEE	F NO:DST/TMD/CERI/RES/2020/35 (G) DT:27.08.2021	2 Years	Existing
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	F.NO:SEED/WTP/2020/66(G) DT:17.08.2021	3 Years	Existing
30	'Machine learning / Artificial intelligence (ML/AI) hardware/software framework for vyonoids"	ISRO-RESPOND	21-22	Dr.Varun Gopi	ECE	NO:ISRO/RES/3/877/21-22 DT:6.09.2021	3 Years	Existing
31	"Design and Development of 'In-Situ Indigenous Soil Analysis system' for effective Fertigation in Precision Farming"	CDAC	21-22	Dr.K.N.SHEEBA	CHL	MOU	2 Years	Existing
32	MSME	MSME	21-22	Dr.C.ROOBALA	ADMIN	F.NO:17(2)CLCS-TUS/DESIGN/IIT/NIT/SANCTION/2020-21 DT:05.03.2021		Completed
33	MSME	MSME	21-22	Dr.M.C.Santhosh kumar	PHY	F.NO:17(2)CLCS-TUS/DESIGN/IIT/NIT/SANCTION/2020-21 DT:05.03.2021		Completed
34	MSME	MSME	21-22	Dr.V.SUNITHA	CIV	F.NO:17(2)CLCS-TUS/DESIGN/IIT/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	CVRDE/21CR0002/MBT/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	DST/TDT/DDP-43-2021(G) Dt.27.09.2021	3 Years	Existing
37	Exploration of variable impedance self sensing behaviour of Magnetic shape memory alloy actuator for assistive devices	DST	21-22	Mrs.Then mozhi Ganapathy Mentor: Dr.Th	ICE	DST/WOS-B/HN-15/2021 -Thenmozhi(G) Date :20.09.2021	3 Years	Existing
38	Design Expertise to Manufacturing MSME Sector under CLCS-tu Scheme	MSME	21-22	Dr.V.M.Jaganathan	DEE	F.no:17(2)CLCS-TUS/DESIGN/IIT/NIT/SANCTION/2020-21 DT:06.10.2021		Completed
39	Exploring the practicability of Extracting platinum and palladium from the mineral beds of sittampudi village in salem district of tamil nadu an experimental and molecular dynamics approach	Ministry of Mines	21-22	Dr.V.Karthik	MME	F no:Met4-14/29/2021 dt:01.12.2021	1 Year	Completed
40	Cross oxidative coupling/ cyclization cascade of amino acid enolate and enamines :an umpolung strategy for n heterocyclic compounds (COACCEE)	SERB	21-22	Dr.Baby Viswambharan	CHY	F NO:SRG/2021/002206 Dt:03.012.2021	2 Years	Existing
41	Transition metal catalyzed carbo-functionalization of conjugated alkene system: En route to natural and drug croes	SERB	21-22	Dr.Jothi Lakshmi Nallasivam	CHY	F.NO:CRG/2021/008121 DT:13.12.2021	3 Years	Existing
42	Atomistic simulations of photoexcited processes of carbon dots based nanohybrids for rational design of efficient light harvesters	SERB	21-22	Dr.Sunandan Sarkar	CHY	F.NO:CRG/2021/002893 DT:13.12.2021	3 Years	Existing
43	Development of optimization models and decision support system for national highways	NHAI	21-22	Dr.V.SUNITHA	CIV	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	SRG/2021/002067 DT:17.12.2021	2 Years	Existing
45	Using statistical data-mining techniques to understand the cumulative influence of geomerical and topological features on grain growth	SERB		Dr.PrinceGideon kubendran amos	MME	SRG/2021/000092 DT:30.12.2021	2 Years	Existing

46	NRDC-Innovation Facility Centre	NRDC	21-22	DR.K.MUTHUKUMAR	CHL	NRDCHQ/UIFC/2020-21 JULY 20, 2021	0.5 Years	Existing
47	SERB -TARE	SERB-TARE	21-22	Pi Dr.Surya Rajan B / Mentor.DR.I	PRO	TAR/2021/000070 DT:21.12.2021	3 Years	Existing
48	SERB-NPDF	SERB-NPDF	21-22	Dr.Ponnillavan/ Mentor :Dr.N.Ram	MME	PDF/2021/001973 DT:12.01.2022	2 Years	Existing
49	SERB-TARE	SERB-TARE	21-22	Dr.Mohammed Asif M / M	PRO	TAR/2021/000042 DT:11.1.2022	3 Years	Existing
50	SERB-TARE	SERB-TARE	21-22	Dr.V.Rajkumar Men	Mechanical	TAR/2021/000014 DT:11.1.2022	3 Years	Existing
51	study on colluding andriod apps:mitigating the threat using machine learning techniqie	SERB	21-22	DR.R.Balakrishnan	CSE	SRG/2021/001898 DT:24.01.2022	2 Years	Existing
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.Essaakimuthu S / Mentor :Dr.Justin joseph	PHY	TAR/2021/000097 DT:25.01.2022	3 Years	Existing
53	Development of metal 3d printed lightweight flywheel and novel control algorithm for micro -gird energy storage applications	SERB	21-22	Dr.M P SELVAN	EEE	CRG/2021/005521 DT:14.01.2022	3 Years	Existing
54	Orthogonal time frequency space modulation based index modulation of 6G Communication systems	SERB	21-22	Dr.P.Maheswaran P	ECE	SRG/2021/001406 DT:24.01.2022	2 Years	Existing
55	Design and development of a fully aautomated prototype of the IITM bio mas gasification system	GAIL	21-22	Dr.V.M.Jaganathan	DEE	GAIL/NOID/21117/5900000433 DT:25.11.2021	3 Years	Existing
56	SERB-TARE	SERB-TARE	21-22	DR.KUMAR MENT	PRO	TAR/2021/000068 DT:01.02.2022	3 Years	Existing
57	SERB-TARE	SERB-TARE	21-22	Dr.Karthik kumar M	CHY	TAR/2021/000043 DT:01.02.2022	3 Years	Existing
58	SERB-TARE	SERB-TARE	21-22	Dr.Aravind C K Mentor:	EEE	TAR/2021/000396 DT:03.02.2022	3 Years	Existing
59	Deep learning based reconfigurable and multifunctional nanophotonic interconnects for hyperscale data centers and 6G Backnaul networks	SERB	21-22	Dr. G.Thavasi raj	ECE	CRG/2021/003646 DT:03.02.2022	3 Years	Existing
60	SERB-TARE	SERB-TARE	21-22	DR .GRACIA NIRMALA RANI Me	ECE	TAR/2021/000335 DT:03.02.2022	3 Years	Existing
61	EXPERIMENTAL INVESTIGATION ON CONVENTIONAL AND INNOVATIVE PILES FOR OFF SHORE WIND TURBINES (OWT) FOUNDATION SYSTEM SUBJECTED TO LONG TERM CYCLIE LOADING	SERB	21-22	DR.R.DEENDAYAL	CIV	EEQ/2021/000045 DT:24.02.2022	3 Years	Existing
62	Research and development of secure and privacy preserving blockchain based smart contract and its application	SERB	21-22	Dr.Kunwar singh	CSE	EEQ/2021/000305 DT:25.02.2022	3 Years	Existing
63	Analysis of salt hydrates for thermal energy storage	IICE	21-22	DR.Jothi Shau	CHL	AG/R&D/2022/525 DT:03.02.2022	1 Year	Completed
64	Development of novel photocatalyst for treatment of textile effluent	IICE	21-22	DR M MATHESWARAN	CHL	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	IICE	21-22	Dr.K.M.Meera Sheriffa Begum	CHL	AG/R&D/2021/220-226 Dt:16-09-2021	1 Year	Completed
66	Development of novel sensing device for evaluvating sensory impairment on diabetic foot to detect ulcer risk areas at early stage	DST -SEED	21-22	Dr.R.Periyasamy	ICE	SEED/TIDE/2019/638/G DT:23.02.2022	3 Years	Existing
67	(CSIR-CRRI joint project) - Development of Trip Generation Manual for Indian Cities	CSIR	21-22	DRO.Darshana	CIV	CSIR/CRRI/NIT/2021 DT:31.12.2021	1 Year	Existing
68	REMANUJAN-FELLOWSHIP	SERB	21-22	Dr.Saravanakumar Elangovan	CHY	FILE NO:RJF/2021/000062 DT:15.03.2022	5 YEARS	Completed
69	SERB -TARE	SERB	20-21	PI -Dr.Gopu.G Me	ICE	TAR/2020/000158	3 Years	Existing
70	Performance evaluation of cement concrete pavments in rural roads	NRDA	21-22	Dr.V.SUNITHA	CIV	NRRDA-PO10(21)/2/2018-Dir(Tech) (E:361383)-7 dt:15.03.2022	1 Year	Existing
71	Realisation of A1 Alloy AA2219/AA2014 integrally stiffened cylindrical sturcture through flow forming	ISRO-RESPOND	21-22	Dr.Nagarajan	MME	ISRO/RAC-S/NITK/2021-22 DT:01.12.2021	2 Years	Existing
72	'Synthesis of less-explored" organosillanes and their further application toward the synthetic and pharamaceutical chemistry	CSIR	21-22	Dr .Ganesh chandra Nandi	CHY	No.02(0445)/21/EMR DT:08.06.2021	3 Years	Existing
73	DST-FIST	DST	22-23	Head of the Department	Maths	No.SR/FST/MS-I/2020/74(C) Dt:31.03.2022	5 Years	Existing
74	Analysis and design of modified SEPIC converter with wide bandgab device for high frequency application	TIE	22-23	MS.Sindhuja Selvam Guide :I	EEE	R.6/2/DR/2021-22/DR2022004 DT:22.04.2022		Completed

75	"Solar PV FED Modified induction motor drive (MIMD) For water pumping Application"	TIE	22-23	Mr.Bhanu Prakash Rachaputi	Guide	EEE	R.6/2/DR/2021-22/DR2022005 DT:22.04.2022		Completed
76	Development of ammonia based flexible heat pipe for space application	ISRO-STIC	22-23	Dr.S.Suresh		MECH	YS/PD-IP 344	2 Years	Existing
77	Development of Bi-directional Battery charger -Discharge Regulator (BCDR)	ISRO-STIC	22-23	Dr.Shelays Sathyan		EEE	YS/PD-IP 345	2 Years	Existing
78	INSPIRE FELLOW	DST - INSPIRE	22-23	MS.JAYASUDHA J B Mentor:K.MUTHUKUN		CHL	DST/INSPIRE FELLOWSHIP/2020/IF200221 DT:9.7.2022	5 Years	Existing
79	INSPIRE FELLOW	DST - INSPIRE	22-23	MR.NAYAK RAM MENTIOR :ANNAPRED		PHY	DST/INSPIRE FELLOWSHIP/2020/IF200248 DT:9.7.2022	5 Years	Existing
80	DESIGN AND DEVELOPMENT OF ROBOTIC BASED CONTINUOUS FIBERADDITIVE MANUFACTURING SYSTEM	DRDO	22-23	Dr.Duraiselvam M		PRO	ERIP/ER/202201001/M/01/1799 DT:02.05.222	3 Years	Existing
81	Mn based melt spun ribbons for magnetic colling of naval equipments	DRDO	22-23	DR. R.Nagalakshmi		PHY	NRB/4003/MAT/PG/495 DT:24.05.2022	3 Years	Existing
82	DST-Materials MAP	DST	22-23	Dr.S.Suresh		MECH	DST/TMD/IC-MAP/2K20/03(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		CHY	DST/TMD/IC-MAP/2K20/03(C)	3 Years	Existing
84	Vibration control of wind turbine blade	SERB	22-23	Dr.kamal krishna Bera		CIV	SRG/2022/000774 DT:06.10.2022	2 Years	Existing
85	Cellular automata based high quality pseudo random number generation for hardware security	SERB	22-23	Dr.kamaliika bhattacharjee		CSE	SRG/2022/002098 DT:04.10.2022	2 Years	Existing
86	Cyber Bullying awareness and Prevention using emotion based gaming Application	SERB	22-23	Dr.Sitara		CSE	SRG/2022/001865 DT:21.10.2022	2 Years	Existing
87	Magnetism for environmental remediation	MSSP	22-23	Mr.A.Rasid		PHY	-	0.5 Years	Existing
88	Research on waterproofing and Retrofitting of structural Members	DYNARM	22-23	Dr.Senthilkumar R		CIV		2.5 Years	Existing
89	Development of computer vision system for an AI assistant	ISRO-STIC	22-23	Dr.M.Sridevi		CSE		2 Years	Existing
90	"Development of New Electrode Using 92% Rutile Grade Flux with Improved Operability and Industrial Applicability"	IREL	22-23	Dr.S P Sivapirakasam		MECH	IREL/TDC/OM/22-23 DT:21.09.2022	1.5 Years	Existing
91	Exploring the Factors Influencing - Women Police Personnel Work Performance and Women complainants	NCW	22-23	Dr.P.Sridevi		MBA	16(86)/2022-23/NCW/(RS) DT.29.09.2022	1 Year	Existing
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	File No.CRG/2022/003145 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	File No.EEQ/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	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 carnial applications	SERB	22-23	Dr.D.Nagarajan		MME	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	CMPDI/MT-175/334 Dt:12-10-2022	2 Years	Existing
97	SERB TARE	SERB TARE	22-23	Dr.Vaira Vignesh Mentor:Dr.P.Sathiya		PRO	TAR/2022/000582 Dt:18-11-2022	3 Years	Existing
98	Energy Conservative Approach towards sewage water treatment integrated with power generation and Desalination using exoeletrogen and Algal Biocathode	DST	22-23	Dr.N.Samsudeen		CHL	DST/TMD/EWO/WTI/DM/2021/213© 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	SRG/2022/001419-G Dt:19-01-2023	2 Years	Existing

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.Satheeshkumar	PRO	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	EEQ/2022/000867 Dt:14-02-2023	3 Years	Existing
102	SERB TARE	SERB TARE	21-22	Dr. Gobinath VKMentor: Dr.G.Uma	ICE	TAR/2021/000173 Dt: 21-12-2021	3 Years	Existing
103	SERB TARE	SERB TARE	22-23	Dr.Santhosh KumarMentor:Dr.M.Premalatha	DEE	TAR/2022/000608 Dt: 24-11-2022	3 Years	Existing
104	Life Cycle assessment of CO ² reduction by energy efficient hybrid biomass pyrolysis and gasification	DST BRICS	22-23	Dr.R.Anand	MECH	DST/IMRCD/BRICS/PilotCall3/CO ² -CarbonDioxide/2019(G) 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	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	CHY	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	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	TAR/2022/000558	3 Years	Existing
109	SERB TARE	SERB TARE	22-23	Dr.Prakash Binna Mentor:Meera Sherifa Beg	CHL	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.G.Manju Bhargavi Mentor:Dr.R.Karvemb	CHY	DST/WOS-A/CS-41/2021 (G) (Wise Kiran) Dt:16-02-2023	3 Years	Existing
111	Interactive Virtual Surgery Training Agent	IIT Mandi iHub Foundation	23-24	Dr. M. Sridevi	CSE	IIT MANDI iHub/RD/2023/007 Dt:11-04-2023	3 Years	Existing
112	Refurbishment of EOL personal computers/laptops with a focus on higher education institutions	Department of Higher EducationEBS	23-24	Dr.S.PRASANNA VENKATESAN.S	PRO	F.No.11017/02/2022-EBSB 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.Senthilkumar	CIV	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	CHY	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 NASF	23-24	Dr.K.N.Sheeba	CHL	F. No. NASF/FME-9038/2023-24	2 Years	Existing
116	Fabrication of multibore hollow fiber ultrafiltration and nanofiltration membranes enabled by nanostructured nanomaterials for water treatment	DST/PFMS	23-24	Dr.Arthanareeswaran	CHL	DST/INT/BLR/P-42/2023 (G)	2 Years	Existing
117	Laboratory and Field Performance Investigation of Rural Roads Stabilised with RBI Grade-81	NRIDA,MRD,GOI	23-24	Dr.V.Sunitha	CIV	NRRDA/3/2023-Dir(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.Muthukkumaran K	CIV	SPARC/2019-2020/P2652/SL	2 Years	Existing
119	Novel Technology for Residual Methane Abatement in Automotive Applications	SPARC	23-24	Dr.S.Velmathi	CHY	SPARC/2019-2020/P2016/SL	2 Years	Existing
120	Role of HRM practices, Psychological Contract and Socioeconomic Factors in Gig Economy	SPARC	23-24	Dr.Nivethitha S	MBA	SPARC/2019-2020/P2528/SL	2 Years	Existing
121	Privacy Preserving and Secure Blockchain Technology and its Applications in Financial Sector	SPARC	23-24	Dr.Kunwar Singh	CSE	SPARC/2019-2020/P2028/SL	2 Years	Existing
122	Low Impact Damage Detection in Composite Plate using Modal Data and Shearlet Analysis	DRDO-AR & DB	23-24	Dr.R.Prakash	MECH	ARDB/2023/SP/2090 - 06.09.2023	2 Years	Existing
123	Innovative and Environment Friendly Ground Improvement Technique for Mitigate Seismic Soil Liquefaction Risk	SERB	23-24	Dr.K.Muthukkumaran	CIV	CRG/2022/007331 Dt:11-09-2023	3 Years	Existing
124	Fabrication of NASICON-structured Flexible Nanofibrous Electrolyte Sheets for All-Solid-State Sodium-Ion Batteries	SERB	23-24	Dr.ILLA MANI PUJITHA	MME	SRG/2023/000674 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 Deelip Patil	PRO	MoE-STARS/STARS-2/2023-0665 Dt.26.09.2023	3 Years	Existing
126	Improvement of thermo-mechanical properties of aero-turbine blades through 3D printed auxetic structures	DST	23-24	Dr.Duraiselvam	PRO	DST/TDT/AM/2022/10/ (G)	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	SPARC/2019-2020/P2066/SL	2 Years	Existing
128	Municipal solid waste (soil like materials) and geotextile interaction study for pavement subgrade and embankment application in soft ground	MoT-NTTM	23-24	Dr.K.Muthukkumaran	CIV	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	GTRE/MMG/BMR1/1140/20/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.Venkatakirthiga	EEE	SPARC/2019-2020/P2646/SL	2 Years	Existing
131	Tribal Freedom Fighters of Wayanad	ICSSR	23-24	Dr.V.K.Karthika	HSS	F.No.02/56/2022-23/GN/TS/RP Dt:22-08-2023	1 Year	Existing
132	Chiral Donor/ Acceptor Decorated Multi-Resonance Thermally Activated Delayed Fluorescence Emitters for Highly Efficient Narrowband Circularly Polarized Luminescence	SERB	23-24	Dr. Arivazhagan C	CHY	SRG/2023/0002323 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	D.O.No. 3-8-2023-TS-II		Existing
134	Ultra Low Power SHAKTI RISC V Based Lightweight Edge AI Processor for IoT enabled Healthcare Applications	Department of Electronics & Information Technology	23-24	Dr.VARUN P. GOPI	EEE	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	FILE NO - EEQ/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	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	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.Deivalakshmi	ECE	FILE NO - SIR/2022/001437-25.01.2024	0.5 Years	Existing
139	Development of Physics Informed Machine Learning Models for the Prediction of Fatigue in Calf Muscles	SERB	23-24	Dr.KARTHICK P A	ICE	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	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	FILE NO - MTR/2023/000712 - 01.02.2024	3 Years	Existing
142	Stochastic Geometry analysis of vehicular communication networks	SERB	23-24	Dr. Sudharsan Parthasarathy	ECE	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	MEDICARE ENVIRO SYSTEM	23-24	Dr.JAGANATHAN VM	DEE	No Saction 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	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	NRCDC	23-24	Dr.NISHA RADHAKRISHNAN	CIV	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.DEVIBALA P Under the Mentorship of Dr	CHY	PDF/2023/002700 Dated 27-03-2024	2 Years	Existing
147	National Post-Doctoral Fellowship Under SERB	SERB	23-24	Dr.SAKTHI SADHASIVAM RM Under the M	PRO	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.VELMATHI,Professor,CHEMISTRY,NIT	CHY	Letter No: DLJ/PP&C/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. Sivakumaran,ICE,NIT TRICHY	ICE	R.11017/38/2023-GIA/HR Dated 02-04-2024	3 Years	Existing
150	INSPIRE FELLOWSHIP	INSPIRE DST	24-25	Dr. M.C. Santosh Kumar (Sup	PHY	DST/INSPIRE Fellowship/2022/IF220312	5 Years	Existing