

Research Work

Sr	Title of the Research Work	Year of Commencement of Research Work
1	E-Conference	2020
2	Effective Worm Sorting Compost System	2021
3	Fabrication of plastics using HDPE and fly ash	2022
4	Skill and Personality Development Programme Centre for SC/ST Students SPDC Scheme	2022
5	SCHEDULED SINGLE AXIS SOLAR TRACKER USING IOT AND MPPT SYSTEM	2022
6	Short range v2v wireless communication for accident avoidance	2022
7	Analysis of novel heterocyclic compound for photophysical properties and their biological activity through fluorescence quenching by Spec...	2023
8	Mod. & Removal of Obsolescence (MODROB)-GEN	2022
9	Activity Fund for IEEE PELS NHCE Student Branch Chapter	2022
10	8th ACSE Annual Conference, Deira Dubai, UAE	2022
11	LORA based smart cities and home automation using IoT	2022
12	Solar based energy efficient hybrid SLBLDC motor for agriculture	2022
13	Implementation and design of cobots in foriculture	2022
14	Solar Driven Vaccine Refrigerator using environment-friendly refrigerants for Off-Grid locations	2022
15	Implementation of parameter estimation of an electric bicycle using IoT for village / rural/disabled community	2022
16	Optimization of Battery Performance in Electric Vehicle	2022
17	Artificial Intelligence and IoT based traction motor drive condition motoring in hybrid electric vehicles	2022
18	FDP On High Performance, Grid And Cloud Computing	2019

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19	7th ACSE Annual Conference, Deira Dubai, UAE	2021
20	Real Time Safety monitoring systems for Covid-19	2021
21	Military Safety and Surveillance robot	2021
22	IEEE PELS NHCE	2021
23	Recycled UVC Sterilizer	2021
24	AICTE Training and Learning (ATAL)	2021
25	AI based Smart Mirror using Raspberry PI	2021
26	A Novel fault tolerant solution for underground transmission system monitoring by GSM	2021
27	A collaborative ROBOT to serve patients and to collect infectious wastage at the isolation ward	2021
28	Implementation of Smart E-Vehicle Charging Station powered by Renewable Energy	2021
29	Solar Refrigerator for Portable Refrigerator	2021
30	Smart Grid Technologies For Energy Efficiency and Active Demand Side Management	2021
31	Trust based context aware user access control system for IoT Application security	2022
32	Skill and Personality Development Programme Centre for SC/ST Students SPDC Scheme	2018
33	National E-Hub	2019
34	Development and Customization of Technology	2019
35	To organize E-Conference	2020
36	Effective Worm Sorting Compost System	2021
37	Skill and Personality Development Programme Centre for SC/ST Students SPDC Scheme	2018
38	Ecofriendly polymer nanocomposites for EMI applications	2022
39	Share and Mentor Institutions (MARGDRSHAN)	2019

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40	VTU-Sanction of Financial Assistance for 2018-19 to the Selected Projects of UG Students	2019
41	STTP On the Role of IoT In Renewable Energy Resources Integration to Electricity Grid	2019
42	FDP On Advanced Materials, Processing And Applications /ME Dept	2019
43	FDP On Research Perspectives On Power Converters, Controls And Hybrid Grid Integration of Renewable Energy Sources	2019
44	Grant For Organising Conference On Research Perspectives: IoT In Hybrid Grid Integrated Renewable Energy Sources	2019
45	Battery Test Rig And Battery Management System For Recycling Li-Ion Cells For Automobile Battery Pack	2020
46	Advanced IoT Solutions to Monitor Underpass Water Logging	2020
47	Voice For Paralytic Victims	2020
48	Bluetooth embedded robotic with Agriculture Plowing, Seeding and Grass Cutting Powered by Solar Energy	2020
49	Smart Glasses for Visually Challenged People	2020
50	Chatbot for monitoring Mental health	2020
51	Artificial Intelligence Enabled Coolant Monitoring System	2020
52	Theft Identification & Alert Through Motion Detection and Facial Recognition Using IoT	2019
53	Design and Fabrication of Solar Powered Low Altitude Short Endurance Drone	2020
54	Fabrication of Nano Filtered Based Exhaust System to Reduce Emission in Two Wheelers	2020
55	Design And Development of Variable Frequency Ultrasonic Pest Repeller	2019
56	Mobifarm- AgroKart	2018

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57	Social cause- Development of underwater remotely operated vehicle for drowned human body detection	2018
58	Social cause- Research Underwater Image Acquisition using remotely operated Underwater vehicle and cloud based remote access	2018
59	R&D Grant-in Aid (Investigations along with design ,Development and Testing on use of Current Source Inverters(CSI-1KW 440V) for Grid con...	2018
60	RGS (Investigations on use of Current Source Inverters(CSI) for Grid connected solar PV for Residential/Apartment applications	2018
61	Nanocomposites, nano materials, syntheses antibacterial and caracterization	2018
62	AICTE Sponsored STTP on Iot in Renewable Energy	2019
63	MODERNIZATION OF HIGH VOLTAGE LAB	2017
64	AICTE Sponsored FDP on Research Perspectives in IoT in Renewable Energy Sources	2019
65	AICTE Sponsored Grant for Organizing Conference	2019
66	GREEN ENERGY-HYBRID RENEWABLE POWER GENERATION FOR IRRIGATION	2017
67	Creation of Motion Control Files for 3DoF of movements for Motion Chairs in accordance with movie files/ simulator rides- Phase 2	2018
68	Creation of Motion Control Files for 3DoF of movements for Motion Chairs in accordance with movie files/ simulator rides- Phase 1	2016
69	Design and Development of Animation Software/ Motion Capture Software System	2015
70	Polymer nanocomposites for Various applications	2018
71	Flexural behaviour of RC beams by using Steelslag as Fine Aggregate and Recycled aggregates as Coarse Aggregates	2016
72	Fault Diagnosis and Prognosis of machines using vibration signals, a data mining approach	2017

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73	Finite Element Modelling and Simulation of Injection Moulding Process for Tubes and Fittings	2017
74	Study of model based design of HDL code conversion	2016
75	UCAP Powered Insulin Pump	2017
76	Investigations along with design, development and testing on use of Current Source Inverter (CSI)(1kw, 440 v) for grid connected solar PV...	2018
77	Studies on brush seals for gas turbine engines- numerical and experimental investigation on design configurations and performance evaluati...	2011
78	Multi purpose compact solar fruit dryer	2018
79	Studies on the mechanical and bio chemical methodology in treating the spent lubricants in manufacturing industries	2013
80	Creation of Motion Control Files for 3DoF of movements for Motion Chairs in accordance with movie files/ simulator rides- Phase 2	2017