

## 2024-25

S.No	Name of the faculty	Title	Name of the Journal	Volume	Page No.s	Year	ISBN/ISSN number	DOI
1	Dr Chiranjivi M, Mr Suresh K, Mr Siddartha M, Mr Ravi Teja M, Dr.M.Chiranjivi	Forecasting of effluent from wastewater treatment industries using a novel Fuzzy logic system	E3S	Volume 547		Jul-24	2267-1242	<a href="https://doi.org/10.1051/e3sconf/202454702018">https://doi.org/10.1051/e3sconf/202454702018</a>
2	A. Durga rao B.Chiranjeevi rao P. Nikhil rai	A Novel Technology for smart shopping trolley system	E3S				2267-1242	<a href="https://doi.org/10.1051/e3sconf/202454702018">https://doi.org/10.1051/e3sconf/202454702018</a>
3	Salava V. Satyanarayana, Pillalamarri Madhavi	Life Guardian: Enhancing Health Awareness through Sensor Fusion	E3S				2267-1242	
4	O.P. Suresh, Salava V Satyanarayana	Solar wireless electric vehicle charging system	E3S				2267-1242	
5	Dr.OP Suresh	Economic analysis of grid tied hybrid solar wind system with electric vehicle CS using COA-QNN approach	Journal of Energy Storage				2352-152X	
6	O.P Suresh	A hybrid YDSE-THDCNN approach based multi objective optimization of energy management for renewable energy sources with electric vehicles	Journal of energy storage					
7	O.P Suresh	DC motor speed control using ESP32	IIE	54		2025	0970-2555	
8	O.P Suresh	A Smarter way to park:The future of car parking	IIE	54		2025	0970-2555	
9	T.Sirisha U.Divya	Designing a low cost dark sensor system for street lighting	IIE	54		2025	0970-2555	
10	T.Sirisha U.Divya	PCB based digital thermo meter design with 7-segment display for accurate temperature monitoring	IIE	54		2025	0970-2555	
11	Pillalamarri Madhavi Salava V Satyanarayana	COMPACT HIGH-EFFICIENCY POWER INVERTER SYSTEM	IIIE			2025	0970-2555	

## 2023-24

1	Dr. M. Chiranjivi	Bionic Health-Care Innovation Using Artificial And Human Intelligence	International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN			Jul-23	ISSN 2147-6799	
2	Dr. M. Chiranjivi	A Novel Optimization Approach for Smart Grid Systems with Nano-sized Objects	Journal Nano- and Electronic Physics			Aug-23	2306-4277	
3	Salava V Satyanarayana P.Madhavi	Machine learning for load forecasting in powersystems	E3S Web			Nov-23	2267-1242	
4	Dr. M. Chiranjivi K.Suresh M. Siddartha	Agriculture Residue based Electric Power Generation	E3S Web			Jan-24	2267-1242	
5	T Sirisha	Solar and Dynamo Powered Ev Using Fingerprint Authentication	IJRITCC			Nov-23	2321-8169	
6	M.Rani	Bluetooth and Voice Controlled Wheelchair using Arudino	journal of Engineering Sciences			Nov-23	0377-9254	
7	Dr. M. Chiranjivi	Future directions of artificial intelligence integration: Managing strategies and opportunities	SCOPUS-SCI			Jan-24	1875-8967	
8	Dr. M. Chiranjivi K.Suresh M. Siddartha	AN ADVANCED LOCK SYSTEM USING NOVEL SECURITY INTEGRATION	Journal of Nonlinear Analysis and Optimization			Feb-24	1906-9685	
9	Dr. M. Chiranjivi K.Suresh M. Siddartha	NON-CONVENTIONAL SOURCES FOR ELECTRIC VEHICLES	Industrial Engineering Journal			Feb-24	0970-2555	
10	Dr. M. Chiranjivi K.Suresh M. Siddartha	Charging of Energy storage device using Novel approach	International Journal for Modern Trends in Science and Technology			Mar-24	2455-3778	
11	T Sirisha	Ideal Operating System for Networked and Automated Electric Vehicles in a Wireless Charging Environment at Signified Crossings	International Journal for Modern Trends in Science and Technology			Mar-24	2455-3778	
12	Salava V Satyanarayana P.Madhavi	Sensor Fusion for Better Health Awareness: Guardian of Well Being	International Journal for Modern Trends in Science and Technology			Mar-24	2455-3778	
13	Dr. M. Chiranjivi	A WECS fed Grid Tied DC-DC LUO Converter for Energy Management in Electric Vehicle System	IEEE			Apr-24		
14	P.Santhosh, G Aparna, U Divya, M.Rani	Adopting an Enhanced Reconfigurable Built-in Self-Repair Plan in SOCs	International Journal for Modern Trends in Science and Technology			03-03-2024	2455-3778	

15	Dr. M. Chiranjivi	Assessment of Wireless Sensor Networks Integrated with Various Cluster-Based Routing Protocols	International			2024		
16	Dr. M. Chiranjivi K.Suresh M. Siddartha	Navigating the Present and Future Dynamics of Electric Vehicle Fast Charging and its Impact on Grid	CVR Journal of Science and Technology	26	68-75	Jun-24	2277 – 3916	
17	U.Divya,M.Rani	A Hybrid Wind-Solar Energy System-A New Rectifier Topology						

## 2022-23

1	Dr. M. Chiranjivi	Transformer overload alert with voice announcing feature	IJSREM			Jun-23	ISSN 2582-3930	
2	Dr. M. Chiranjivi	Optimization of Renewable energy system for charging of Battery	IJSREM			Jun-23	ISSN 2582-3930	
3	Salava v Satyanarayana	Application-Based Bus Tracking And Monitoring System	Mukt Shabd Journal			Jun-23	ISSN: 2347-3150	
4	Salava v Satyanarayana	IoT Based Multifunctional Smart Bin	IJIRT			Jun-23	ISSN: 2349-6002	
5	P Madhavi	Multifunctional Electric Bicycle	IJSREM			Jun-23	ISSN 2582-3930	
6	Dr.OP Suresh	ADVANCED MULTIPURPOSE HAND HYGIENE DISPENSARY SYSTEM USING IOT	International Journal of Innovative Research in Technology			Jul-23	2349-6002	
7	T.Sirisha	BATTERY MANAGEMENT SYSTEM AND STATE OF CHARGING DEVELOPMENT FOR ELECTRIC VEHICLES	European Chemical Bulletin			May-23	2063-5346	
8	M. CHIRANJIVI K.Suresh M. Siddartha	A Novel Smart Lock Device with Multistage-Multimode Security Integration	Journal of Fundamental & Comparative Research			Jul-22	ISSN: 2277-7067	
9	K.Suresh	Design of an intelligent cloud based remote electricity billing system over IOT	Mukth Shabd Journal			May-23	2347-3150	
10	Dr. M. Chiranjivi K.Suresh M.Siddartha M.Rani	Modified Fuzzy Controller for Renewable Energy Management System Powered AC Micro-grid by Five Level Inverter with SVPWM Based on novel Optimization	European Chemical Bulletin			Jun-23	ISSN 2063-5346	
11	M.SIDDARTHA	IoT Based vehicle ignition system	IJSREM			Jun-23	ISSN:2582-3930	

## 2021-22

1	M.siddartha	WOMEN SAFETY NIGHT SURVEILLANCE ROBOT	Mukt Shabd			July, 2021	2347-3151	
2	Salava V Satyanarayana	PLC BASED MULTI CHANNEL FIRE DETECTION AND ALARM SYSTEM	JOURNAL OF EDUCATION: RABINDRABHARATI UNIVERSITY			November, 2021	0972-7175	
3	K.Suresh	Simulation of Regenerative braking system for ultracapacitor based Electric vehicle	International journal of Analytical and Experimental Modal analysis (IJAEMA)			Mar-22	0886-9367	
4	Salava V Satyanarayana	ANALYSIS OF THE IMPACT OF ELECTRIC VEHICLE CHARGING STATION ON POWER QUALITY ISSUES	Shodhsamhita: Journal of Fundamental & Comparative Research			Jun-22	2277-7067	
5	P.Madhavi	Generation Of Electricity Using Pedaling Technology	Shodhsamhita: Journal of Fundamental & Comparative Research			Jun-22	2277-7068	
6	K.Suresh, M.Chiranjeevi, M.Siddhartha	A Novel Smart lock device with Multi stage -Multimode security Integration	Shodhsamhita: Journal of Fundamental & Comparative Research			Jun-22	2277-7067	
7	Salava V Satyanarayana	A REVIEW ON ENERGY MANAGEMENT STRATEGY OF A PHOTOVOLTAIC ELECTRIC VEHICLE CHARGING STATION SYSTEM.	Mukt Shabd Journal			Jun-22	2347-3150	

### Conferences

### 2024-25

S.No	Name of the faculty	Title	Name of the conference	Volume	Page No.s	Year	ISBN/ISSN number
1	Pillalamarri Madhavi Salava V Satyanarayana	Prediction of Energy Requirement and supply Using Machine Learning Algorithms	ICASMMT123			13.09.2024	
2	Pillalamarri Madhavi Salava V Satyanarayana Dr.O.P.Suresh	Prediction of Power and Current for Self Charging E-Bicycle Using Machine Learning Algorithms	IEEE			26.09.2024	
3	Salava V Satyanarayana Pillalamarri Madhavi Dr. O.P.Suresh	Prediction of Voltage Discharge for Electric Tricycle Using Machine Learning Algorithms	IEEE			26.09.2024	
4	Salava V Satyanarayana Pillalamarri Madhavi	Effectiveness of a PBL Curriculum in Preparing Electrical Engineering Students for Industry through SSDC	JEET			29-12-2024	2314-1707
5	Pillalamarri Madhavi Salava V Satyanarayana	Forecasting of Voltage Discharge for Electric Trikes Using Supervised ML Algorithms	Scopus			29th & 30/11/2024	Waiting
6	K.Suresh Dr.M.Chiranjivi M.Siddartha	Efficient Battery charging method using Alternative Energy sources	ICESM			11th & 12th March 2025	
7	M.Siddartha M.Rani	Hybrid Renewable Energy Powered EV	ICEAAGE-2025			25-02-2025	
8	U.Divya T.Sirisha	A SMART HOSPITAL MANAGEMENT SYSTEM FOR SYMPTOM BASED CARE	NCRAPS-2025			14-15th FEB2025	
9	T.Sirisha U.Divya	Over voltage and under voltage protection of single phase domestic loads using arduino	ICRCET-2025			26-27 April 2025	
10	T.Sirisha U.Divya	EFFICIENT ENERGY FLOW CONTROL IN REGENERATIVE BRAKING USING AUTOMATED SWITCHES	ICMET-2025			29-30aPRIL 2025	

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1	T.Sirisha	Design of finger print tricycle using Renewable Resource	ICSMEC2023-085			15-16 December 2023	
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2	M.siddartha	Generation of Power from Railway Tracks	ICSMEC2023-085			15-16 December 2023	
3	Dr. M. Chiranjivi K.Suresh M. Siddartha	A cutting Edge smart lock with multistage multi mode security integration	UGC			15-16 December 2023	
4	Dr. M. Chiranjivi K.Suresh M. Siddartha	Electric vehicle using Renewable Resources	UGC			15-16 December 2023	
5	P.Madhavi Salava V Satyanarayana	Machine Learning for Sustainable Energy Management: Solar Energy Forecasting	ICSPER 2024			1 – 3 March 2024	
6	P.Madhavi Salava V Satyanarayana	Smart Attendance system	ICSMEC2023-090			15-16 December 2023	
7	Salava V Satyanarayana P.Madhavi	Cruising with Confidence: ElectricTricycle for Empowered Handicapped Travel	ICSMEC2023-090			15-16 December 2023	
8	Dr. M. Chiranjivi, K. Suresh, M. Siddartha	A Novel Battery Charging method using Nonconventional sources of energy	ICRCSET-2024			29th Feb & 1st Mar 2024	
9	U.Divya	Optimal Five phase Voltage source Design with DC Link	IEEE			15th -16th Mar-2024.	
10	Dr Chiranjivi M, Mr Suresh K, Mr Siddartha M, Mr Ravi Teja M, Mrs Rani M	Forecasting of effluent from wastewater treatment industries using a novel Fuzzy logic system	ICSGET-2024			14-15 June 2024	
11	SALAVA V SATYANARAYANA P.Madhavi	IoT & sensor driven automation in streamlined lab	PiCET-2024 (IEEE)			04-05-2024	
12	T.Sirisha	Optimized Energy Management for EV with SOC Monitoring	ICRCSET-2024			29th Feb&1st Mar 2024	
13	M.Rani	Smart Wheelchair Control using Arudino	ICSGET-2024			14-15 June 2024	
14	P.Madhavi Salava V Satyanarayana	Life Guardian: Enhancing Health Awareness through sensor fusion	ICSGET-2024			14-15 June 2024	
15	O.P Suresh Salava V Satyanarayana	Multi functional solar wireless electric vehicle charging system	ICSGET-2024			14-15 June 2024	
16	U. Divya M. Rani	Implementation of optimized Reconfigurable Built-in Self-Repair Scheme in SOCs	ICRCSET-2024			29th Feb & 1st Mar 2024	
17	M.Rani	A hybrid wind solar energy system :A new rectifier stage topology	ICSMEC2023-085			15-16 December 2023	

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1	Salava V Satyanarayana P.Madhavi	Big Data Analytics for Electrical Systems using Machine Learning Algorithms	IEEE TEMSMET 2023			10-11th Feb 2023	979-8-3503-9781-9
2	P.Madhavi Salava V Satyanarayana	Multifunctional Electric Bicycle	ICAEEE-2023			24-25th Feb 2023	0970-2555
3	M. CHIRANJIVI	A Novel Smart Lock Device with Multistage-Multimode Security Integration	ICAEEE-2022			Jul-22	
4	Salava V Satyanarayana P.Madhavi	Smart Bag for Womens Safety	IEEE-VIT 2023			Mar-23	IEEE Xplore
5	Salava V Satyanarayana	Iot based college bus tracking System	IEEE-VIT 2023			Mar-23	IEEE Xplore
6	M.Siddartha	IOT BASED VEHICLE IGNITION SYSTEM	ICCSPC			Apr-23	
7	K.Suresh	Design of an intelligent cloud based remote electricity billing system over IOT	ICCSPC			Apr-23	
8	T.Sirisha	BATTERY MANAGEMENT SYSTEM AND STATE OF CHARGING DEVELOPMENT FOR ELECTRIC VEHICLES	ICCSPC			Apr-23	
9	M.Rani	EV BMS WITH SAFETY FEATURES AND CHARGE MONITOR	ICCSPC			Apr-23	
10	S V Satyanarayana	Iot Based Multifunctional Smart Bin	ICCSPC			Apr-23	
11	Salava V Satyanarayana P.Madhavi	Optimizing Electrical System Performance with Machine Learning: An Analysis of Algorithms	ICIMES-2023			Waiting for proceedings	
12	M. CHIRANJIVI	IOT based Announcement Alert for Transformer over current	ICCSPC			Apr-23	
13	M. CHIRANJIVI	Effective utilisation of PV System for Battery Charging	ICCSPC			Apr-23	

## 2021-22

1	M.CHIRANJIVI	Green Energy Powered Charging Infrastructure for Hybrid EVs	IEEE Conference International Conference on Cyber and IT Service Management (CITSM)			2021	Print on Demand(PoD) ISBN:978-1-6654- 3549-9 Electronic ISBN:978-1-6654- 3548-2
2	Pillalamarri Madhavi Salava V Satyanarayana	Data analysis of Electrical System using Machine learning Algorithms	IEEE Proceedings			10-12 March 2022	
3	K.Suresh, M.Chiranjeevi M.Siddhartha	A Novel Smart lock device with Multi stage -Multimode security Integration	Advances in Electrical and Electronics Engineering-2022			30th-31st March 2022	978-81-948785-7-5
4	Salava V Satyanarayana	ANALYSIS OF THE IMPACT OF ELECTRIC VEHICLE CHARGING STATION ON POWER QUALITY ISSUES	Advances in Electrical and Electronics Engineering-2022			Jun-22	2277-7067
5	P Madhavi	Generation Of Electricity Using Pedaling Technology	Advances in Electrical and Electronics Engineering-2022				
6	M. Chiranjivi	Green Energy Powered Charging Infrastructure for Hybrid EVs	<a href="#">2021 9th International Conference on Cyber and IT Service Management (CITSM)</a>			Published (11 November 2021)	

**Book Chapters**

2024-25							
S.No	Name of the faculty	Title of the book/chapter published	Publisher Name	Volume	Page No.s	Year	ISBN/ISSN number
1	U.Divya, T.Sirisha	AN INNOVATIVE RECTIFIER STAGE TOPOLOGY FOR HYBRID WIND-SOLAR ENERGY SYSTEMS	Eliva press	1		Aug-24	978-9999318914
2	K.Suresh	Industrial IoT (IIoT)-Driven Predictive Maintenance and Reliability Analysis for Power Electronic Systems in Autonomous Manufacturing	RADemics Research Institute			2025	
2023-24							
1	Dr. M. Chiranjivi, K. Suresh, M. Siddartha	Current issues and future challenges regarding electric vehicles fast charging and its impact on grid power quality in the grid	Springer		27-44	2024	9.78044E+12
2	Salava V Satyanarayana P.Madhavi	Optimizing Electrical System Performance with Machine Learning: An Analysis of Algorithms	Intelligent Manufacturing and Energy Sustainability(Springer link),Smart Innovation, Systems and Technologies			2023	978-981-99-6774-2