

Sri Sai Ram Engineering College

Department of Electrical and Electronics Engineering

<p>Name: Dr. C. PRIYA priva.eee@sairam.edu.in Mob : 9840082779</p>	
Designation:	Associate Professor
Qualification:	M.E, Ph.D
Area of Specialization:	Controller Design, Optimization, Measurement and Instrumentation, Process Control
Experience:	<p>Teaching- 10 Years Awarded UGC Research Fellowship (JRF) Under SCIENCE FOR MERITORIOUS STUDENTS SCHEME for 2 Years. Research- 3.5 yrs</p> <p>Obtained Guide ship in Anna University and currently a Recognized Supervisor in Faculty of Electrical Engineering. Reference No: 3330016, Date : 30.01.2019</p>
Date of Joining the Institution	05.06.2017
Number of Workshops/ FDP Attended:	10/17
Publication:	<p>Patents: 5 International: 17 National:1</p> <p>Google Scholar Link https://scholar.google.com/citations?view_op=list_works&hl=en&authuser=2&user=YES3cb4AAAAJ&gmla=AJsN-F786Kutjlu0NK4-ZnlVGvvGA2ceOEtSJMTxDfrnJhNfcHqCKS3gi-Bty_84prAvhdxynk8U_FZQyqi0PDfbqQwLeE97b_ub_FoN2CErZOcmS-QPsTKIvYPTIsYFZGMCRJWULur</p> <p>Conference: National: 02 International: 22</p>

EDUCATIONAL QUALIFICATION:

S. No.	Degree	Year of passing	College	University	Specialization	% of marks/ CGPA	Class obtained	Full Time/ Part Time
1.	Ph.D	Viva-Voce held on 24th Jan 2017	College of Engineering	Anna University, Chennai	Faculty of Electrical Engineering(Process Control)	-	-	Full time for initial 3.5 years (Awarded UGC JRF Under Science for Meritorious Students Scheme), later converted to Part Time.
2.	M.E	2010	College of Engineering	Anna University, Chennai	Control & Instrumentation Engg.	8.53 CGPA	First Class with Distinction	Full Time
3.	B.E	2002	Bharath Institute of Science & Technology	Madras University, Chennai	Instrumentation & Control Engg.	77.11 %	First Class with Distinction	Full Time
4.	XII	1998	Fathima Basheer Mat. HSS	State Board	Maths, Physics, Chemistry, Computer Science.	91.08 %	-	Full Time
5.	X	1996	Adarsh Senior Sec. School	CBSE	--	75.6%	-	Full Time

Professional Experience:

11 Years Research- 3.5 yrs

S. No	Name of the Institution	Period of Experience
1.	Sri Sairam Engineering College, WestTambaram, Chennai	5.6.2017 to till date
2.	RMK Engineering College, Kavaraipettai, Chennai	14.5.2014 to 18.5.2017
3.	College of Engineering, Anna University.	05 Months (Jan 2011-May 2011)
4.	Full Time Research Scholar with Stipend - College of Engineering, Anna University, Guindy- UGC Research Fellowship in “Science for Meritorious Students” scheme.	Jan 2011 to May 2014

PhD Thesis Title:

CONTROL OF NONLINEAR SISO AND MIMO SYSTEMS USING HYBRID OPTIMIZED CONTROLLERS

Research Interests:

System Identification, Controller Design and Optimization techniques for Process Control Applications, IOT, Measurement and Instrumentation, Automation and Control.

Membership in Professional Body:

- Instrument Society Of India (ISOI)- Life Time member
- The Indian Society for Technical Education(ISTE)- Life Time member
- International Standard of Research and Development (ISRSD)- Life Time member
- Institute of Scholars (InSc)- Life Time member
- Senior member in IEEE (98075747)

Achievements:

1. Acted as a Guide for the Team of students (2014-2018) who won the “Most Popular Project Award” In the National Level Quest Ingenium 2017
<https://eie.sairam.edu.in/wp-content/uploads/sites/7/2019/05/special-achievements.pdf>
2. Presented 2 papers in International Conference abroad and got the **Best Paper Award** for one of the papers in the International Conference WCEA-2019 at Bali, Indonesia.
3. Obtained **TNSCST project grant 2 times** for the Academic Year 2018-2019 & 2019-2020.
4. Contributed as a Session Chair in the International Conference @ Bali, Indonesia in Dec 2019. <https://eie.sairam.edu.in/awards-achievements/#>
5. Reviewer for International Journal of Electronics, Electrical and Communication Engineering

6. Contributed as a Judge for Ideation / Design Contest in **World IP Day 2023 on 26th April 2023**
7. Contributed in the book entitled “ WORLD 2023 wide outcomes on Research and Latest Development”
- Positive change Makers in the world-Thickest Book in the World- A Unique Guinness Record Attempt published by ESN Publications with ISBN 978-93-95196-75-8, 26th 27th August 2023, Hotel Turyaa, Chennai.
8. Nptel course Topper - “ Sustainable Power Generation Systems” - Top 2 % Topper
9. Reviewer & Session Chair in the SERB Sponsored International Conference on Control in Electric Vehicles & Smart Grid with Renewable Energy Synergies for Sustainable Development (VIT-CES-RES-2024) Organized by School of Electrical Engineering (SELECT), Vellore Institute of Technology, Chennai, during May 10-11 2024
10. Nptel course Topper - “ Learning Analytics Tools” - Top 5 % Topper
11. Reviewer for the 2024 International conference on Communication, Computing & Internet of Things (IC3IOT 2024) held on 17th and 18th April 2024.

Funds Received from TNSCST, etc:

- Obtained TNSCST grant for the project titled “ARGC- Automatic Railway Gate Controller Using Microcontroller for the Academic Year 2018-2019 in Feb 2019.
- Obtained TNSCST grant for the project titled “An IOT based Detection of chemical in fruits and vegetables”for the Academic Year 2019-2020.

Patents:

1. Title: Computation and Governance Of Driver’s Performance Using Machine Learning
Filed on : 29.12.20
Published on : 8.1.21
Application No. :202041056851
2. Title: A Touchless Flushing Method in Corona Isolation Ward
Filed on: 5.1.21
Published on:8.1.21
Application No.:202141000386
3. NOVEL ARTIFICIAL INTELLIGENCE GUIDED SYSTEM TO ROOT THE NANOPARTICLES TO NULLIFY THE GROWTH OF CANCER TUMOR
Filed on: 13.12.23
Published on:23.02.2024
Application No.:202341085022
4. Title:AI Powered Patient Check-In Kiosk
Application Number:420096-001
Filing Date :14th June 2024.
5. DEEP LEARNING -BASED SYSTEM FOR REAL-TIME DETECTION OF ADENOMAS DURING COLONOSCOPY FOR EARLY COLON CANCER
Application No.202441080569 A
Date of filing of Application :23/10/2024
Publication Date : 01/11/2024

FDP Attended

S. No.	Programme	Period	Institution
1.	Workshop on Control Theory and its Applications to Practical Problems	October 16-18, 2008	Electrical and Electronics Engineering, Anna University, Chennai.
2.	Workshop on Application of Metaheuristics for Engineering Optimization	March 20-21, 2012	Industrial Engineering, Anna University, Chennai.
3.	Special lecture on How to do a good Ph.D thesis	April 10-12, 2012	Centre for International Affairs, Anna University, Chennai.
4.	Workshop on PSO and variants: concepts and basic implementation in Matlab	Feb. 21-22, 2013	Electrical and Electronics Engg. Dept, Anna University, Regional Centre, Coimbatore.
5.	Faculty Development Training Programme on Power Electronics	June 4-10, 2015	College of Engineering, Anna University, Chennai.
6.	FDP on Internet of Things	5, May 2016	R.M.K. Engineering College
7.	FDP on Basic Electrical, Electronics, Measurement and Instrumentation Engineering.	Nov 8-11, 2017	Rajalakshmi Institute of Technology
8.	Instrumentation Detail Engineering Workshop	23-25 July 2018	Sri Sairam Engineering College
9.	Ideation and Proposal Formulation Workshop	9, Nov 2018	IIT , Madras
10.	Workshop - Quality Management system and Audit Training	8, June 2018	Creative Management Consultants at SSEC
11.	FDP- Methodologies & practices for Profitable Research through patterns and IPR	4, Jan 2019	Conducted by Allinnov R&D Pvt Ltd, India at Sri Sairam Engineering College.
12.	Workshop on Intellectual Property Rights and Innovations	20, July 2019	Organized by SSEC in Association with Centre for Intellectual Property Rights (CIPR), Anna University, Chennai.

13.	Workshop on Introduction to IOT with Machine Learning	3 rd and 4 th , OCT 2019	Organized by DEEE, St. Peters Institute of Higher Education and Research, Chennai under the Aegis of Experts Hub Industry skill development centre.
14.	FDP-Artificial intelligence	5-11 December 2019	DEEE, SSEC
15.	FDP on Electro Devices, Microprocessors and Image Processing	11 -15 May 2020	Dept. of EIE, SRM Valliammai Engineering College.
16.	IIC Online Sessions	28 April – 22 May 2020	Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi
17.	Workshop on Patent Searching, Drafting and Filing	29 th , May to 2 nd , June 2020	Organized by Panimalar Institute of Technology in Association with Turnip Innovations and Exilyze Intellectual Services, IEEE Computer Society and Computer Society of India.
18.	Webinar on R&D Proposal Writing for Faculties	12.6.2020	DME, SSEC
19.	Webinar on R&D proposal writing for Faculties	12 June 20	Dept. of Mechanical Engineering, Sri Sairam Engineering College.
20.	FDP on Hardware-in-the-Loop Simulation: Learning and Teaching Tool from Typhoon HIL	31 Aug – 4 Sep 2020	School of Electrical Engineering, Vellore Institute of Technology, Chennai.
21.	AICTE Sponsored Six Days online Short Training Programme on Medical Image Analysis	2-7 Nov 20	V.S.B. Engineering College, Karur.
22.	ATAL FDP on Cyber Physical Systems	7-11 Nov 20	Indian Institute of Information Technology Pune.
23.	ATAL FDP on Internet of Things	24-28 Nov 20	Army Institute of Technology
24.	ATAL FDP on Artificial Intelligence	7-11 Dec 20	Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal
25.	AutoCAD Hands-on Training	3,4,10,11 Dec 20	Sairam Robotics club in Association with Dept. of Mechanical Engineering,

			SSEC.
26.	ATAL FDP on Smart Grid – Key to a Sustainable Future	28.6.21 to 2.7.21	Dr. S.& S.S.Ghandhy Government EngineeringCollege, Surat
27.	Inculcating Universal Human Values in Technical Education	12.7.21 to 16.7.21	AICTE
28.	IEEE Seasonal School on Optical Signal Processing for Communication, Computing & Sensing	6 th to 10 th March 2023	IEEE Signal Processing Society, Sri Sairam Engineering College, ECE Dept.
29.	Deep Learning Toolkits and their Diverse Uses	5.7.23 to 7.7.23	CSBS & LTI MindTree Subject Expert.
30.	Introduction to Internet of Things	12 Weeks July-Oct 2023	AICTE - NPTEL FDP
31.	Sustainable Power Generation Systems	12 Weeks July-Oct 2023	AICTE - NPTEL FD
32.	EV - Vehicle dynamics and Electric Motor Drives	8 Weeks Jan March 2024	AICTE - NPTEL FDP
33.	Python for Data Science	4 Weeks Jan Feb 2024	AICTE - NPTEL FDP
34.	Design Thinking - A Primer	4 Weeks Jan Feb 2024	AICTE - NPTEL FDP
35.	Participated in the UIMAGINE TN Global Conference organized by the Department of IT & DS	23 & 24 Feb 2024	chennai Trade Centre
36.	Machine Learning Algorithm and Data Analysis	10.6.24 to 15.6.24	Pantech e Learning Pvt. Ltd
37.	Learning Analytics Tools	12 Weeks July-Oct 2024	AICTE - NPTEL FDP
37.	Emerging Trends in AI: Innovations and Applications	16.12.24 to 21.12.2024	DEPT CSE AIML, Sri Sairam Engineering College

Nptel Online Certification Course			
S.No.	Course Title	Period	Type of Certificate
1.	Introduction to Soft Computing	8 Weeks Course, Feb March 2018	Elite
2.	Nonlinear and Adaptive Control	4 Weeks Course, Aug Sep 2018	Successfully Completed
3.	Enhancing Soft Skills and Personality	8 Weeks Course, April 2019	Elite
4.	Effective Engineering Teaching in Practice	4 Weeks Course Jan Feb 2021	Elite
5.	Successfully Completed 11 courses in Coursera.		
6.	Successfully Completed 4 Udemy Courses.		
7.	Successfully completed 2 courses in NASSCOM		
8.	Sustainable Power Generation Systems	12 Weeks July-Oct 2023	Elite Silver + Top 2 % Topper
9.	Sustainable Power Generation Systems	12 Weeks July-Oct 2023	Awarded Top performing Mentor
10.	Introduction to Internet of Things.	12 Weeks July-Oct 2023	Elite Silver
11.	Successfully Completed NITTT 8 modules.		
12.	EV - Vehicle dynamics and Electric Motor Drives	8 Weeks Jan March 2024	Elite
13.	Python for Data Science	4 Weeks Jan Feb 2024	Elite
14.	Design Thinking - A Primer	4 Weeks Jan Feb 2024	Elite Silver
12.	Learning Analytics Tools	12 Weeks July-Oct 2024	Elite Silver + Top 5 % Topper

Academic Responsibilities:

- Autonomous (Syllabus & BOS coordinator)Coordinator,
- Smart India HackathonCoordinator,
- Website Coordinator,
- Mini Project Coordinator,
- CII Coordinator,
- Video ClassCoordinator,
- Class Coordinator,.
- IEEE Control System Society Scope Member (Propagator),
- NBA Criteria 5 head,
- Naac Criteria 1 member,
- NIRF - Combined Metrics for publication - Executor,
- Symposium Coordinator-Fluxera2024,
- ICTDept.Coordinator - Learnathon, Skillathon,
- Honeywell Women Empowerment Training Coordinator, Capegemini Training Coordinator, Celonis Coordinator,
- Class coordinator A sec 2024 passout,
- E Yantra Dept. Coordinator
- GATE MATERIAL prepared and posted for the subject “Electrical and Electronic Measurements” - Link - <https://classroom.google.com/w/NjIzMjY0NzgwMTIy/tc/NjM3ODk5MDA1NTYy>

Programs Organized:

- Organized Mini Project for the Academic Year 2017-2018
- Steering Committee member at the “International Conference on Computing, Communication and Control” Organized by SSEC held on 28.02.2020 and 29.02.2020.
- Contributed as a organizing Committee member for the International Conference ICSESCM-19, Chennai.
- Contributed as coordinator for Virtual Robotic Quiz organized by SAIRAM ROBOTICS CLUB.
- One of the Faculty Coordinator for Organizing the IEEE STEM - FUN WITH ELECTRONICS EVENT - OCT 4, 2023.
- Organized Outreach Program on Sustainable Development Goals- Synergistic Social Support for Schools- @GTA Vidya Mandir, Neelankarai, Chennai on 18.04.2024 in Association with IEEE Control System Society and IEEE Professional Communication Society.
- Organized the National Level Technical Symposium for the Department of Electrical and Electronics Engineering - SAI MAGNICON 2024 - FLUXERA 2024 on Sep 17th 2024.

Guest Lecture Delivered:

- Delivered Guest Lecture on the Topic “General PID and Fractional Order PID controller” on 12th June 2019 in ISTE sponsored FDP on Process Modelling and Control from 11.6.19 to 15.6.19 at Department of Electronics and Instrumentation Engineering , Sri Sairam EngineeringCollege, Chennai.
- Delivered Guest Lecture on the Topic “Enhancing Soft Skills and Personality” on 13th December 2019 in the ISTE and ISOI sponsored Five Days FDP on “Innovation in Teaching Pedagogy” from 10.12.2019 to 14.12.2019 at Department of Electronics and Instrumentation Engineering , Sri Sairam Engineering College, Chennai.
- Delivered Guest Lecture on the Topic “Insights of Cyber Physical System in Industry 4.O” on 21st January 2021 in the AICTE Sponsored six days virtual short term training Programme (STTP) on Applications of Artificial Intelligence towards Industry 4.O” from 18.1.2021 to 22.1.2021.

Publications:

International Journal

1. **Priya, C & Lakshmi, P** 2012, 'Particle swarm optimization applied to real time control of spherical tank system', Int. J. Bio-Inspired Computation, vol. 4, no. 4, pp. 206-216. **Impact factor (Clarivate Analytics) 2020- 1.914 (5 Year Impact Factor 2.771) (Listed in Anna University Annexure Journals 2021)(SCIE and Scopus Indexed Journal, UGC)**<https://doi.org/10.1504/IJBIC.2012.048065>
2. **Priya Chandrasekar & Lakshmi Ponnusamy** 2017, 'Research on variable area hybrid system using optimized fractional order control and passivity – based control', Computers and Electrical Engineering, vol. 57, pp.324-335. **Impact Factor 2.663 (Listed in Anna University Annexure Journals in 2018 journal list) (SCIE, Web of Science & Scopus Indexed Journal)**
3. **Priya Chandrasekar & Lakshmi Ponnusamy** 2015, 'Comparison of GSA and Hybrid PSO-GSA Tuned Controller for a Nonlinear System, International Journal of Enterprise Network Management, vol. 6, no. 3, pp. 175-184. **(Listed in Anna University Annexure Journals in 2018 journal list) (Scopus Indexed Journal, UGC).**
4. **Priya Chandrasekar & Lakshmi Ponnusamy** 2014, 'Comparative study of controllers for a variable area MIMO interacting nonlinear system', International Journal of Engineering and Technology, vol. 6, no. 1, pp. 227-235. **(Anna Univ. Annexure II 2013 Version) (Scopus Indexed Journal).**
5. **Priya Chandrasekar & Lakshmi Ponnusamy** 2014, 'Experimental Investigations on Hybrid PSO-GSA Optimised Passivity Controller for a Nonlinear System', International Journal of Applied Engineering Research, vol. 9, no. 25, pp. 8257-8231. **(Anna Univ. Annexure II 2014 Version) (Scopus Indexed Journal, UGC).**
6. **Priya Chandrasekar and Lakshmi Ponnusamy** (2018), 'Hybrid PSO-GSA Optimized Fractional Order Controller for a Variable Area TITO Interacting Nonlinear System in Real Time', Journal of Advanced Research in Dynamical and Control Systems, 10-special issue, 2018, pp.2164-2173.**(Scopus Indexed Journal)**
7. **Dr.C. Priya, G. Monisha, K. Kavitha, S. Suvetha and M. Vanmathi** (2019), A smart touch based instant toxin content detection system, Journal of International Pharmaceutical Research 46(1): 758-761.
8. **Dr Priya C., Lingeswaran K., Suryamegana P.S.** (2019), Mobile Microscope Supported by Whirling Centrifuge for the Effective Detection of Pathogenic Cells, International Journal of Research and Analytical Reviews (IJRAR), May 2019, Vol.6, Issue 2, pp:155-159. **(UGC Journal)**

9. **Priya C**, Lakshmi Ponnusamy, Ramya S, Aparna S, Rajeshwari M (2020), Investigations on Nonlinear TITO System using Passivity Based Control in Real Time, International Journal of Engineering Sciences, Jan 2020, Vol.12, No.4, pp.123-128, ISSN 0976 – 6693 (**UGC Approved Journal**) <https://doi.org/10.36224/ijes.120402>
10. **Dr. C Priya**, Devaharigharan B, Thamarai Kannan A, Lokesh M, Gokul Seshanth P (2020), IoT based Smart Home Security, International Research Journal of Engineering and Technology (IRJET), April 2020, Vol.7, No.4, pp.4606-4610. e-ISSN: 2395-0056, p-ISSN: 2395-0072 (**UGC Approved Journal**)
11. **Priya C** and Lakshmi Ponnusamy (2020), Passivity based Approach for the Level Control of Spherical Tank Process, International Journal of Engineering Sciences, April 2020, Vol.13, No.1, pp.1-6, ISSN 0976 – 6693 (**UGC Approved Journal**) <https://doi.org/10.36224/ijes.130101>
12. **Dr. C. Priya**, Aparna G, Deepthi E, Poornima Rao B (2020), Smart Irrigation System using Solar Power and Cost Effective Moisture Sensor, Test Engineering and Management, May 2020, Vol.83, pp. 13404.
13. **Priya C**, Lakshmi P (2020), DESIGN OF CONTROLLERS FOR SEXTUPLE TANK PROCESS, International Journal of Modern Agriculture, Volume 9, No.4, 2020 ISSN: 2305 – 7246, pp.417-427. <http://www.modern-journals.com/index.php/ijma/article/view/231>
14. **Priya C**, Sanjay B, Aniruthan M, Nishanth I (2020), Brainwave Controlled Bionic Arm, Studies in Indian Place Names (**UGC Care Journal**), Vol.40, Issue 3 (s1), ISSN: 2394-3114, pp.78-84. <http://archives.tpnsindia.org/vol-issue/vol40-issue3s1.pdf>
15. **Dr. C. PRIYA**, V.Chithra, Sanjay B, M.Aniruthan (2020), Design and Development of Holographic Fan, Ilkogretim Online - Elementary Education Online, Vol 19 (Issue 2): pp. 1809-1816, doi: 10.17051/ilkonline.2020.02.696764. (**UGC Care Journal**)
16. **Dr. C. Priya** (2021), THWART POWER FAILURE ATTACKER NODE IN DAIHAODV MANET WITH DIRECTIONAL ANTENNAS, Design Engineering, Issue 6, ISSN :0011-9342, pp. 7247-7259.

17. Dr. S. Anitha Kumari, **Dr. C. Priya** (2021), Current Sensor Fault Detection and Isolation in Doubly Fed Induction Generator, Journal of Physics: Conference Series, doi:10.1088/1742-6596/2007/1/012045, pp.1-10 (SCOPUS).
<https://iopscience.iop.org/article/10.1088/1742-6596/2007/1/012045/pdf>
18. Dr. A.B. Pawar¹ , **Dr C Priya**² , Dr. V.V. Jaya Rama Krishnaiah³ , Dr. V. Antony Asir Daniel⁴ , Prof. Ts. Dr. Yousef A.Baker El-Ebiary⁵, Ahmed I. Taloba⁶ (2023), Multi-Scale Deep Learning-based Recurrent Neural Network for Improved Medical Image Restoration and Enhancement, International Journal of Advanced Computer Science and Applications(IJACSA), Volume 14 Issue 10, 2023.
DOI: 10.14569/IJACSA.2023.0141088, Publisher :Science and Information Organization

International Conference

1. **Priya C.**, Lakshmi P., 'Design of Fractional Order Controller for Nonlinear System', International Conference on Future Engineering Trends (ICFET) 2010, Saveetha University, April 29 & 30, 2010, pp. 127-131.
2. **Priya C.**, Lakshmi P., 'Fractional Order Controller Design and Particle Swarm Optimization Applied to a Nonlinear System', IEEE-International Conference on Recent Trends in Information Technology (ICRTIT 2011), MIT, Anna University, Chennai, June 3-5, 2011, pp. 959-964.
3. **Priya C.**, Lakshmi P., 'Design of Controllers for sextuple tank process', International Conference on Advances in Engineering, Science and Management (ICAESM 2012), E.G.S. Pillay Engineering College, March 30 & 31, 2012.
4. **Priya Chandrasekar**, Lakshmi Ponnusamy, 'Passivity based level controller design applied to a nonlinear SISO system' IEEE-International Conference on Green Computing, Communication and Conservation of Energy (ICGCE 2013), RMD Engineering College, Kavaraipettai, December 12-14, 2013.
5. **Priya Chandrasekar**, Lakshmi Ponnusamy, 'Comparison of GSA and Hybrid PSO-GSA tuned controller for a nonlinear SISO system', International Conference on Modeling, Optimization and Computing (ICMOC 2014), Noorul Islam University, Kumaracoil, April 10 & 11, 2014.
6. Surya Meghana P S, Kannan C, Lingeshwaran K, **Priya C.**, 'Detection of Malarial Parasites Using Cell Phone Microscope', Proceedings of International Conference on Computing, Communication and Drastic Innovations in Energy Thrive (IC3DIET-PP-104, University College of Engineering, Panruti, India, 28th February and 1st March, 2018.
7. **Priya Chandrasekar**, Lakshmi Ponnusamy, 'Hybrid PSO-GSA Optimized Fractional Order Controller for a Variable Area TITO Interacting Nonlinear System in Real Time, 6th International Conference on Chip, Circuitry, Current, Coding, Combustion & Composites (i7c-2018), Organized by Sri Sairam College of Engineering & Institute for Engineering Research and Publication (IFERP), Bengaluru, Karnataka, 28th – 29th November 2018, pp.30.
8. **C Priya**, G Monisha, K Kavitha, S Suvetha, M Vanmathi, 'A Smart Touch Based Instant Toxin Content Detection System', Proceedings of the International Conference on Science and Innovative Engineering 2019, Jawahar Engineering College, 24th March 2019, pp.131.

9. **Priya C**, Lakshmi Ponnusamy, Ramya S, Aparna S, Rajeshwari M (2020), Investigations on Nonlinear TITO System using Passivity Based Control in Real Time, Proceedings of 4th World Congress on Engineering and Applications (WCEA-2019), Bali, Indonesia, pp.16.
10. **Priya C** and Lakshmi Ponnusamy (2020), Passivity based Approach for the Level Control of Spherical Tank Process, Proceedings of 4th World Congress on Engineering and Applications (WCEA-2019), Bali, Indonesia, pp.19.
11. **Dr. C. Priya**, Aparna G, Deepthi E, Poornima Rao B (2019), Smart Irrigation System using Solar Power and Cost Effective Moisture Sensor, International Conference on Science Engineering and Supply Chain Management (ICSESCM-19), 22nd - 23rd November' 19, Chennai, India, pp.8.
12. Dr. S. Anitha Kumari, **Dr C. Priya**, Current Sensor Fault Detection and Isolation in Doubly Fed Induction Generator, Second International Conference on Instrumentation, MEMS and Biosensing Technology (ICIMBT-2021), 18-20 Feb 2021, SRM Institute of Science and Technology, Kattangulathur.
13. V. Chithra; Jeyashri. R; Deepashri. R; K. Prathibanandhi; C. Priya, Smart Sprinkler System Using Raspberry Pi, 2022 **IEEE** International Conference on Communication, Computing and Internet of Things (IC3IoT), 10-11 March 2022, Sri Sairam Engineering College, Chennai.
DOI: 10.1109/IC3IOT53935.2022.9767981
14. S Jagan, Ganesh K Jadhav, C Priya, Priyabrata Adhikary, Upendra Mohan Bhatt, V Jayasri (2023), Reinforcement Learning-Based Autonomous Collision Prediction and Avoidance System for Vehicles, 2023 IEEE International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES),
DOI: 10.1109/ICES60034.2023.10465417
15. Priya C, Anitha Kumari S, Puthilibai G, Abinaya.V. R, Dakshina R, Soumya M (2023), **EcoDynoSim**, 14-15 Dec 2023 IEEE International Conference on Intelligent Computing and Control for Engineering and Business Systems (ICCEBS),
DOI: 10.1109/ICCEBS58601.2023.10448787
16. G Puthilibai, T Tamilselvi, C Priya, P Chinnaraj, S Balamuralitharan, A Subhashree (2023), Optimization of Metal-Matrix Composites by W-EDM with CNT, 2023 IEEE International Conference on Intelligent Computing and Control for Engineering and Business Systems (ICCEBS),
DOI: 10.1109/ICCEBS58601.2023.10448660

17. V Chithra, S Brindha, C Priya, Dhivyasri P, S Premalatha, K Shreeja (2024),
Accident Avoidance and Response System, 2024 International Conference on Power, Energy, Control and
Transmission Systems (ICPECTS), 08-09 October 2024, Sri Sairam Engineering College, Chennai, India,
DOI:10.1109/ICPECTS62210.2024.10780309
18. S Sumitha, A Sanjeevi Gandhi, K Suresh, C Priya, HS Blessing Joshuva, A Santhosh Guru (2024),2024
International Conference on Power, Energy, Control and Transmission Systems (ICPECTS), 08-09
October 2024, Sri Sairam Engineering College, Chennai, India,
DOI: 10.1109/ICPECTS62210.2024.10780135
19. C Priya, Blessing Joshua HS, Irshan Shahith, S Sumitha, Bharath SK, SL Karthik (2024),Iot Based Monitoring
of Air and Water Quality, 2024 International Conference on Power, Energy, Control and Transmission
Systems (ICPECTS), 08-09 October 2024, Sri Sairam Engineering College, Chennai, India,
DOI: 10.1109/ICPECTS62210.2024.10780221
20. C Priya, Ravichandran Muralidharan, S Pranav, Sakthivel Sundar, G Sarvesh, Sukand V Murugan (2024), IOT-
Based ECG Monitoring System for Remote Healthcare Applications, 2024 International Conference on Power,
Energy, Control and Transmission Systems (ICPECTS), 08-09 October 2024, Sri Sairam Engineering
College, Chennai, India,DOI: 10.1109/ICPECTS62210.2024.10780372
21. C Priya, V Chithra, S Akash, D Dhivakar, S Samuel, M Barath Kumar (2024), EV Wireless Charging Empowered
By Solar Innovation, 2024 International Conference on Power, Energy, Control and Transmission Systems
(ICPECTS), 08-09 October 2024, Sri Sairam Engineering College, Chennai, India,
DOI: 10.1109/ICPECTS62210.2024.10780016
22. V Chithra, C Priya, SL Karthik, M Barath Kumar, MP Chandravelan, Vijay Kumar (2024), Dynamic Wireless
Electric Vehicle Charging System With Integration of Square Coils and Solar Energy, 2024 International
Conference on Power, Energy, Control and Transmission Systems (ICPECTS), 08-09 October 2024, Sri
Sairam Engineering College, Chennai, India,
DOI: 10.1109/ICPECTS62210.2024.10779992

National Conference

1. **Priya C.,** Lakshmi P, ‘Experimental Investigations on Hybrid PSO GSA Optimized Passivity Controller for a NonLinear System’, National Conference on Emerging Trends in Medical Electronics, Sensors and Instrumentation, Jeppiaar Engineering College, January 23 & 24, 2015.
2. **Priya Chandrasekar,** Lakshmi Ponnusamy, ‘Hybrid PSO GSA Tuned Controller for a Variable Area MIMO Interacting Non-Linear System’, CSIR sponsored National Conference on Computing and Communication (NCCC 2015), Anna University, Tirunelveli, May 4 & 5 2015.

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