

## I. PERSONAL DETAILS

**Name** : Dr. G. Glan Devadhas  
**Official address** : Professor,  
Dept.of Electronics and Instrumentation,  
Vimal Jyothi Engineering College,  
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**Google Scholar** : <https://scholar.google.co.in/citations?user=otk0dRoAAAAJ&hl=en>

**RG** : [https://www.researchgate.net/profile/Glan\\_Devadhas](https://www.researchgate.net/profile/Glan_Devadhas)

- Main Guest Editor for ELSEVIER Computers and Electrical Journal for the special Issue Special Issues on Intelligent Computing in Smart Technologies(2018).
- Associate Editor ELSEVIER Computers and Electrical Journal (From 2018)
- Recognized research supervisor for Kerala Technological University (KTU) and Noorul Islam Centre for Higher Education.
- Recognized doctoral committee member for Anna University Chennai.
- Organized Five IEEE conferences as Conference Chair, One as Publication Chair and Two as Technical Chair.
- Advisory member of several International conferences.
- Completed the AICTE-UKEIRI workshop on Academic Leadership.
- Vice Chair of IEEE India CASS Chapter from the year 2016-2019.
- Published 8 SCI papers including Elsevier, Springer and Taylor & Francis, 31 papers in Scopus Indexed Journals, 23 papers in International Conferences (22 IEEE Xplore and 1 Springer) and 7 papers in refereed journals.
- Guided 43 UG projects, 14 ME projects and 8 Ph.D.

## II. EDUCATIONAL / PROFESSIONAL QUALIFICATIONS

S. No.	Name of the Course /Diploma /Degree	School/ College/ Institution	Board/ University	Month and Year of Passing	Specialization
1.	SSLC	Sacred Heart High School Pacode	State Board, Tamil Nadu	April 1992	Tamil, English, Maths, Science, Social Science
2.	HSC	Govt.HSS and TTI Vilavancode	State Board, Tamil Nadu	April 1994	Maths, Biology
3.	B.E.	Sathiyabama Engineering College-Chennai	University of Madras	April 1998	Instrumentation & Control Engineering

4.	M.E.	Annamalai University	Annamalai University	Nov. 2001	Process Control & Instrumentation
5.	Ph.D.	PRIST University, Thanjavur	PRIST University, Thanjavur	May 2013	Intelligent Robust Controller Design

### III. WORKING EXPERIENCE

Name & address of the Institution/Organization	Post held	Period of Service		Durations		
		From	To	Y	M	D
Vimal Jyothi Engineering College	Vieice Principal	01.06.2020	Present			
Vimal Jyothi Engineering College, Chemperi, Kannur, Kerala PIN:670632	Professor, Dept of AE&I	04.04.2016	31.05.2020	4	1	26
Noorul Islam Centre for Higher Education, Kumaracoil.	Associate Professor & HOD, Dept of EIE	18.10.2010	19.04.2016	5	6	
Noorul Islam Centre for Higher Education, Kumaracoil.	Assistant Professor & HOD, Dept of EIE	27.07.2010	17.10.2010	0	2	20
Noorul Islam College of Engineering, Kumaracoil.	Assistant Professor	03.01.2005	26.07.2010	5	6	23
Noorul Islam college of engineering, Kumaracoil	Lecturer	14.12.2002	02.01.2005	2	0	18
St.Peter's Engineering College, Avadi, Chennai	Lecturer	01.12.2000	13.12.2002	2	0	12

### IV. PROJECTS / THESIS

1. **Undergraduate Project:** PC based Turbine control system controller
2. **Post graduate Project:** Implementation of MC33035 Based Controller and Intelligent Power Module for a Permanent Magnet Brushless DC Motor
3. **Title of Doctoral Thesis:** Intelligent Robust Controller Design for a Chemical Process.

### V. FUNDED PROJECTS

1. Deputy Project Director in the "Design and Development of Attitude and Orbit Control System (AOCS) of a NANO Satellite" project which is funded by Noorul Islam Centre for Higher Education, Kumaracoil.

2. APJAKTU - CERD - Research Seed Money Scheme – RS 1,59,000 is sanctioned for Development of smart SCADA (CERED KTU/RESEARCH 2/3894/2018)
3. Received the seminar grant From KSSTE (Rs. 75,000),ISRO (Rs.50,000) for the conduct of International Conference ICICICT-2017.
4. Received the grant in Aid from CSIR (Rs. 50,000) and DRDO (Rs. 50,000) for the conduct of International Conference ICICICT-2019.
5. Received the Grant in Aid of Rs. 3,10,000 from AICTE for the conduct of STTP, Trans Disciplinary approach in Engineering Education.

#### VI. SUBJECTS TAKEN

- Digital Signal Processing
- Control System
- Process Control
- Transducer Engineering
- Measurement and Instrumentation
- Linear Control Theory
- Intelligent Control System
- Neural Network and Fuzzy Logic Control
- Piping and Instrumentation
- System Identification&Adaptive Control

#### VII. Administrative /Industrial Experience

Institution	Designation	Period	Description of work done
T.C.P.India PVT Ltd	Engineer Trainee	July1998- June1999	Erecting, Commissioning of Power plant Instruments
Noorul Islam Centre for Higher Education, Kumaracoil	HOD Dept of EIE	27-07-2010 to 04/04/2016	Teaching and administration in the Department

#### VIII. LIST OF PUBLICATIONS (Total :67)

##### A. SCI/SCIE/ESCI Journals:

1. S.U. Aswathy, **Dr.G. Glan Devadhas**, Dr.S.S. Kumar Brain tumor detection and segmentation using a wrapper based genetic algorithm for optimized feature set, Cluster Computing The Journal of Networks, Software Tools and Applications, Springer, (2018) [://doi.org/10.1007/s10586-018-1914-8](https://doi.org/10.1007/s10586-018-1914-8) , pp 1–12 , ISSN 1386-7857 (SCI) (IF 2.04)
2. Elizabeth George, **G Glan Devadhas**, KK Avinashe, S Vijayan Study of different spectral parameters to measure depth of anesthesia - Biomedical Research,28(15) 2017(SCI)
3. Manu Francis,Akhil Jose A ,**G.Glan Devadhas**,Avinashe.K.K , Novel Technique for Forearm Blood Vein Detection and Enhancement,Biomedical Research28 (7): 2913-2919 (SCIE)
4. Asish B Mathews, **G. Glan Devadhas**, Non linearity mitigation and dispersion reduction using Bussgang theorem, modified MSE and improved MLE equalizers, Microprocessors and Microsystems,Volume 69,2019,Pages 35-42,ISSN01419331,<https://doi.org/10.1016/j.micpro.2019.05.014>.(<http://www.science-direct.com/science/article/pii/S0141933119301462>)

5. T. Pravin Rose, **G. GlanDevadhas** Professor , Detection of pH Neutralization Technique in multiple tanks using ANFIS controller, *Microprocessors and Microsystems* (2019), doi: <https://doi.org/10.1016/j.micpro.2019.07.004> (In Press)
6. Sukumaran, A., **Glan, D. G.**, & Kumar, S. S. (2018). An improved tumor segmentation algorithm from T2 and FLAIR multimodality MRI brain images by support vector machine and genetic algorithm. *Cogent Engineering*, 5(1), 1470915. <https://doi.org/10.1080/23311916.2018.1470915> (ESCI)
7. Bibin Raj V S , **G. Glan Devadhas** “Design and development of new control technique for standalone PV System” Elsevier *Microprocessors and Microsystems*, ://doi.org/10.1016/j.micpro.2019.102888
8. S.L.Sango,,Y.Brucely,, **G.Glan Devadhas**,, S.ChristopherEzhil Singh,, T.Mary Little Flower, R.Smitha,, R. Krishna Sharma Thermal degradation on biomass briquettes of artocarpusheterophyllus leaf powder, *Interciencia Journal* ,44(11) ,2019

## **B. SCOPUS INDEXED JOURNALS**

1. **G. Glan Devadhas**, S. Pushpakumar, “An Intelligent Design of PID Controller for a Continuous Stirred Tank Reactor”, *World Applied Sciences Journal*, 14 (5) 2011, ISSN 1818-4952, pp: 698-703.(Scopus)
2. **G. Glan Devadhas**, S. Pushpakumar, S.V. Muruga Prasad, “Optimum Setting of Controller Using Soft Computing Techniques for a Chemical System”, *American Journal of Applied Sciences*, 8 (11), 2011, ISSN 1546-9239, pp. 1140-1148.(Scopus)
3. D. M. Mary Synthia Regis Prabha, S. Pushpa Kumar, **G. Glan Devadhas**, “Design and Robustness Analysis of a PID based Sliding Mode Controller for a dc-dc converter”, *Research Journal of Applied Sciences, Engineering and Technology, Maxwell Scientific Organization*, 2012, Vol.4, Issue 4, pp. 342-349.(Scopus)
4. S.U.Aswothy, **G. Glan Devadhas**,S.S.Kumar, “A Survey of Segmentation of Brain Tumor from MRI Brain Images”, *International Journal of Applied Engineering Research*, ISSN 0973-4562 Vol. 9 No.26 (2014) pp. 9267-9275.(Scopus)
5. V. Kabila, **G. Glan Devadhas**, Comparative Analysis of PID and Fuzzy PID controller Performance for Continuous Stirred Tank Heater, *Indian Journal of Science and Technology*, Vol 8(23), DOI: 10.17485/ijst/2015/v8i23/IPL0886, September 2015ISSN (Print) : 0974-6846 , ISSN (Online) : 0974-5645(Scopus)
6. D. M. Mary Synthia Regis Prabha, **G. Glan Devadhas**, S. Pushpa Kumar ,Optimum Setting and Performance Evaluation of the Three Mode Controller Using Bio Inspired Soft Computing Algorithms, *WSEAS TRANSACTIONS on SYSTEMS and CONTROL*, Volume 11, 2016, pp 163-176 E-ISSN: 2224-2856
7. A. Siddique Ahmed Ghias, S. Vijay Ananth, M. DevAnand, **G. Glan Devadhas**, Experimental Study of Thermal Performance of Coil in Shell Heat Exchanger,*Indian Journal of Science and Technology*Volume 9(13),April 2016, pp 1-17 ISSN (Print) : 0974-6846 , ISSN (Online) : 0974-5645(Scopus)
8. M. DevAnand, **G. Glan Devadhas** , N. Prabhu and T. Karthikeyan Ceramic Monolith Heat Exchanger – A Theoretical Study and Performance Analysis, *Indian*

Journal of Science and Technology, Vol 9(13), DOI: 10.17485/ijst/2016/v9i13/90566, April 2016 ISSN (Print) : 0974-6846 , ISSN (Online) : 0974-5645(**Scopus**)

9. **G. Glan Devadhas** , M. DevAnand and D. M. Mary Synthia Regis Prabha Characterization of Hydrocarbons Generated from Electric Discharge Machining of Aluminum based Composite Material, Indian Journal of Science and Technology, Vol 9(13), DOI: 10.17485/ijst/2016/v9i13/90579, April 2016, ISSN (Online) : 0974-5645(**Scopus**)
10. **G. Glan Devadhas** , M. DevAnand and D. M. Mary Synthia Regis Prabha, Characterization of Hydrocarbons Generated from Electric Discharge Machining of Aluminum based Composite Material, Indian Journal of Science and Technology, Vol 9(13), DOI: 10.17485/ijst/2016/v9i13/90579, April 2016, ISSN (Online) : 0974-5645 (**SCOPUS**)
11. I. Jacob Raglend , M. DevAnand , **G. Glan Devadhas** , D. M. Mary Synthia Regis Prabha, Inverse Kinematics Solution of a Five Joint Robot Using NARX Algorithm, Journal of Chemical and Pharmaceutical Sciences, Volume 9 Issue 4, October - December 2016,ISSN: 0974-2115 pp 2677-2687 (**SCOPUS**)
12. **G.Glan Devadhas** , Akhil Jose , D.M.MarySynthia Regis Prabha , Avinashe K, A Novel Technique for Patient Health Monitoring System, Journal of Chemical and Pharmaceutical Sciences. , Volume 9 Issue 4, October – December 2016 ISSN: 0974-2115 pp.2688-2694 (**SCOPUS**)
13. Akhil Jose, Justin Joseph, **Glan Devadhas**, MM Shinu,Influence of Filter Bank Structure on the Statistical Significance of Coefficients in Cepstral Analysis for Acoustic Signals, International Symposium on Signal Processing and Intelligent Recognition Systems, Advances in Intelligent Systems and Computing book series (AISC, volume 678), Springer, Cham(**SCOPUS**)
14. S.U. Aswathy, **Dr.G. Glan Devadhas**, Dr.S.S. Kumar and P. Sreevidya, An Optimized Approach for SVM Based Segmentation of MR Images of Brain Tumors,Journal of Advanced Research in Dynamical and Control Systems,Volume 9, Issue 8, 2017(**SCOPUS**)
15. SudharsanaVijayan, **G. Glan Devadhas**, Elizabeth George IMC and Adaptive Associated With PID Controllers for Nonlinear Level Process, International Review of Automatic Control (IREACO) Vol 10, No 5 (2017)(**SCOPUS**)
16. Sangeetha.K, **Glan Devadhas.G**, Mary Synthia Regis Prabha D.M., A Fractional Order Controller for a Nonlinear System, Journal of Advanced Research in Dynamical and Control Systems,Volume 10, Issue 2, 2018 pp 110-118 (ISSN 1943-023X) (**Scopus**)
17. Thara.N K, **Glan DevadhasG**,Shinu M M ,Modelling and Controller Design for a Nonlinear Conical System, Journal of Advanced Research in Dynamical and Control Systems,Volume 10, Issue 2, 2018, pp 119-126 (**Scopus**)
18. Pravin Rose, **G. Glan Devadhas**, Optimization-base Design of Fractional Order PI Control for Multiple Tanks pH Neutralization Process, Journal of Advanced Research in Dynamical and Control Systems,Volume 10, Issue 2, 2018 pp146-153(**Scopus**)

19. Bibin Raj V.S, **Glan Devadhas G** Predictions of PV System for Increased Power Demand with New Topology, International Journal of Mechanical Engineering and Technology (IJMET) Volume 9, Issue 2, February 2018, pp. 373–381 (ISSN Online: 0976 – 6359) (**Scopus**)
20. Pravin Rose.T, **G. Glan Devadhas**, Analysis of Fractional Order PI Controller with Cuckoo Optimization for Multi Tank Process, International Journal of Recent Technology and Engineering (IJRTE) Volume-7 Issue-5S2, January 2019 . pp. 152–154.(**Scopus**)
21. PravinRose.T, **G. Glan Devadhas**, Analysis of pH Neutralization Using ANFIS based Queuing Algorithm, Journal of Adv Research in Dynamical & Control Systems, Volume 11, Issue 6, 2019, pp. 1610–1617.(**Scopus**)
22. PravinRose.T, **G. Glan Devadhas**, Design of Fractional Order PI Controller with ABC and BBO Algorithm for pH Neutralization Process Using Multiple Tanks, Jour of Adv Research in Dynamical & Control Systems, Vol. 10, No. 8, 2018,pp. 37–45.
23. V.S. Bibin Raj, **G. Glan Devadhas** (2019), Design of A Novel Controller to Stabilize the Dc Level of Photovoltaic System for Low Voltage Stand-Alone Applications – a Review, *Jour of Adv Research in Dynamical & Control Systems*, Volume 11, Issue 1, PP. 1569 – 1577.
24. V.S. Bibin Raj, **G. Glan Devadhas** (2018), A Novel Design for PV Integrated Buck Converter Using MPPT and Sub MPPT – a Review, *Jour of Adv Research in Dynamical & Control Systems*, Volume 10, Issue 8, 2018, pp. 28–36.
25. V.S. Bibin Raj, **G. Glan Devadhas** (2019), Design of a Novel Controller to Maintain DC Level of PV System for Low Voltage Applications – a Review, *International Journal of Recent Technology and Engineering (IJRTE)* Volume-7 Issue-5S2, January 2019. pp. 115–159.
26. Asish B Mathews, **G.Glan Devadhas**, Improved Least Mean Square Algorithm for 5G signals in Microwave –Photonic Link, International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8 Issue-4, April 2019
27. Asish B Mathews, **G. Glan Devadhas**, Increasing the Coverage Area Using Microcells in Hybrid GFDM System based on RoF Technology, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-7, Issue-5S3, February 2019
28. Asish B Mathews, **G. Glan Devadhas**, Enhanced Noise Curtailing In Long Haul Multi Service 5g Cellular Optical Hybrid Networks, Jour of Adv Research in Dynamical & Control Systems, Vol. 11, 01 -Special Issue, 2019
29. V. Kabila,**G. Glan Devadhas**, Action of IMC and Pole Placement Controllers Implemented to CSTH Process, Jour of Adv Research in Dynamical & Control Systems, Vol. 10, No. 3, 2018
30. Rahul Ajithkumar, K. Satyanarayan Reddy, **G.Glan Devadhas**, Watermarking Schemes for High Security with Applications and Attacks: Research Challenges and Open Issues, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-4, November 2019
31. Abraham Subaraj. M, Bensam Raj. J, Malkiya Rasalin Prince. R, **Glan Devadhas.G**, Christopher Ezhil Singh. S, Corrosion rate of Al-Si Alloy Reinforced with B4C

Nanoparticle prepared by Powder Metallurgy Method using RSM , International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-1, November 2019

**C. PEER REVIEWED INDEXED JOURNALS:**

1. **G. Glan Devadhas**, S. Pushpakumar, S.V. Muruga Prasad, “Intelligent Computation of Controller Using Optimization Techniques for a Nonlinear Chemical Process”, *International Journal of Research and Reviews in Soft and Intelligent Computing (IJRRSIC)*, Vol. 1, No. 3, September 2011, ISSN: 2046-6412, pp. 49-55.
2. S.U Aswathy, **G.Glan Devadhas** , Dr.S.S.Kumar MRI Brain Tumor Segmentation Using Genetic Algorithm With SVM Classifier,IOSR Journal of Electronics and Communication Engineering (IOSR-JECE),e-ISSN: 2278-2834,p-ISSN: 2278-8735 PP 22-26
3. **G. Glan Devadhas**, S. Pushpakumar, “Intelligent Controller Design for a Chemical Process”, *International Journal of Engineering, (IJE)*,ISSN 1728-1431 Volume (4): Issue (5), 399 – 410.
4. **G.Glan Devadhas**, S.Pushpakumar, “Comparative Analysis of Model Based Controller Design For A Chemical Process”, *Nice Journal of Emerging Technologies Vol.:6 No.:1 June:2011*,pp. 63 – 70.
5. **G. Glan Devadhas**, S.Pushpakumar, “An Intelligent Gain Schedule Controller Design for a Chemical Process”, *International Journal of Power System and Power Electronics, Vol:4 No:1 Oct:2011*, pp. 58- 64.
6. **G. Glan Devadhas**, S.Pushpakumar, “Robust Temperature Controller Design for aChemical Process”, *International Journal of Engineering Science and Technology*, Vol. 2(10), 2010, pp. 5831-5837.
7. Dhanoj Mohan , Dr.Rathika Rani , **Dr. G. Glan Devadhas**, Dr.K.Gopakumar, SudharsanaVijayan , Shalet K S, Development of an Adaptive PID Controller for a Nonlinear Process, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 14, Number 4 (2019) pp. 977-983.

**D. PRESENTATIONS IN CONFERENCES:**

1. **G. Glan Devadhas**, S. Pushpa Kumar, R.Rani Hemamalini, “An Intelligent Robust Gain Schedule Controller Design for a Nonlinear Chemical Process”, *IEEE International Conference on Signal Processing, Communication, Computing and Networking Technologies (ICSCCN 2011)*,pp. 705-711(SCOPUS)
2. D. M. Mary Synthia Regis Prabha, S. Pushpa Kumar, **G. Glan Devadhas**, “An Optimum Setting of Controller for a dc-dc converter Using Bacterial Intelligence Technique”, Innovative soft grid technologies-India (ISGT-India), IEEE 2011, PES, 204-210, 2011.(SCOPUS)

3. **G. Glan Devadhas**, S. Pushpa Kumar, D. M. Mary Synthia Regis Prabha, “ANN based MARC controller design for an Industrial Chemical Process”, *2012 IEEE International Conference on Computing, Electronics and Electrical Technology*, pp. 375-382.(**SCOPUS**)
4. **G. Glan Devadhas**, Lakshmi M. Nair, “Gain Scheduling Controller Design For An Electric Drive”,*Proceedings of International conference on modeling, optimizing and computing (ICMOC 2012)*, pp. 1308 – 1313.
5. AjoyJohn,**G. Glan Devadhas**, “Fuzzy Self Tuned PID Controller for a Chemical Process”, *Proceedings of international conference on modeling, optimizing and computing, ICMOC 2012*, pp. 1301-1307.
6. R. S. Mythily, **G. Glan Devadhas**,”Design and Implementation of TemperatureController for Solar Furnace”, *IEEEInternational Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT)*, 2014, pp. 426 – 430.(**SCOPUS**)
7. S. U. Aswathy, **G. Glan Devadhas**, S.S.Kumar, “A Survey on Detection of Brain Tumor from MRI Brain Images”, *IEEEInternational Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT)*, 2014,pp. 871 – 877.(**SCOPUS**)
8. T.Pravin Rose, **G. Glan Devadhas**,S.Reeba Rex, “Invention of a suitable controller for a non-linear chemical process”, *IEEE International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT)*,2014,pp. 1462 – 1467.(**SCOPUS**)
9. V. S. Bibin Raj, **G. Glan Devadhas**,”Implementation of Renewable Resources for IncreasedPower Demand In Modern Era”, *IEEEInternational Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT-2014)*, pp. 1468 – 1471.(**SCOPUS**)
10. V. G. Rahul, **G. Glan Devadhas**,”Hybrid Modulation Based StatcomWith An External Photovoltaic Source”, *IEEEInternational Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT-2014)*, pp. 278 – 283.(**SCOPUS**)
11. Siddharth S Nair; **G Glan Devadhas**, Design of nonintrusive load meters with current and temperature calibration, 2015 International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT)Pages: 835 – 839, DOI: 10.1109/ICCICCT.2015.7475395(**SCOPUS**)
12. AkhilJose.V ,Justin Joseph, **Glan Devadhas G.**, Influence of Filter Bank Structure on the Statistical Significance of Coefficients in Cepstral Analysis for Acoustic Signals, International Symposium on Signal Processing and Intelligent Recognition Systems, Advances in Intelligent Systems and Computing book series (AISC, volume 678), Springer, Cham, pp. 91-104,2017(**SCOPUS**)



13. V. Rajinikanth, N. Sri Madhava Raja, Suresh Satapathy, Nilanjan Dey, **Glan Devadhas G.**, "Thermogram assisted detection and analysis of Ductal Carcinoma In Situ (DCIS)," 2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT), Kerala State, Kannur, India, 2017, IEEE Xplorer, pp. 1641-1646. doi: 10.1109/ICICICT1.2017.8342817 (**SCOPUS**)
14. Sudharsana Vijayan, **G. Glan Devadhas**, Vineed T Govind, M MShinuSoft computation for conical tank level control," 2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT), Kerala State, Kannur, India, 2017, IEEE Xplorer, pp. 1776-1783. doi: 10.1109/ICICICT1.2017.8342840 (**SCOPUS**)
15. Arun.V, **Glan Devadhas G**, Shalet K.S Data Acquisition And Control Of Multiple Stations Via HMI From A Single PC Using Labview And NI USB-6212, Proceedings of 2018 IEEE International Conference on Control, Power, Communication and Computing Technologies (ICCPCT'2018) pp177-183(**SCOPUS**)
16. ShanoVarguse, AchalaPrasad, **Glan Devadhas G.**, A review paper on control of car like robot using MP-MPC, Proceedings of 2018 IEEE International Conference on Control, Power, Communication and Computing Technologies (ICCPCT'2018) pp 184-187(**SCOPUS**)
17. Sweatha, Dhanoj Mohan, **Glan Devadhas G.**, Survey on control analysis of magnetic levitation system, Proceedings of 2018 IEEE International Conference on Control, Power, Communication and Computing Technologies (ICCPCT'2018) pp 188-193(**SCOPUS**)
18. Thara Devi, **Glan Devadhas G.**, Survey on different control schemes for distillation columns, Proceedings of 2018 IEEE International Conference on Control, Power, Communication and Computing Technologies (ICCPCT'2018) pp 194-198(**SCOPUS**)
19. Thara N K, Shinu M.M, **Glan Devadhas G.**, DhanojMohan, Survey on different control schemes for a non-linear conical system, Proceedings of 2018 IEEE International Conference on Control, Power, Communication and Computing Technologies (ICCPCT'2018) pp 199-203(**SCOPUS**)
20. S. Vaidyanathan, A. Sambas, **G. G. Devadhas** and P. S. G. Anand, "A New Chaos Plant with a Line of Rest Points, Dynamical Study and its Circuit Realization," 2019 2nd International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT), Kannur, Kerala, India, 2019, pp. 1633-1637. (**IEEE Xplore**)
21. S. Vaidyanathan, A. Sambas, **G. G. Devadhas** and P. S. G. Anand, "A New 2-Scroll Chaos Plant with Multistability and its Circuit Realization," 2019 2nd International

Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT), Kannur, Kerala, India, 2019, pp. 1638-1642. (IEEE Xplore)

**IX. INTERNATIONAL CONFERENCES ORGANISED:**

Name of the Seminar/Symposium/Workshop/Conference	Sponsor	Venue & Date	Status	Position
International Conference on Control, Instrumentation, Communication & Computational Technologies	IEEE EDS & IEEE India Chapter	NICHE 10 <sup>th</sup> & 11 <sup>th</sup> July 2014	All the papers are Published in IEEEEXPLORE	Conference Chair
International Conference on Soft Computing in Applied Engineering & Sciences, (ICSCASE-2015)	Scopes Indexed Journals	23 <sup>rd</sup> and 24 <sup>th</sup> July 2015 NICHE	All the papers are Published in Journals and Indexed in SCOPUS database	Conference Chair
International Conference on Control, Instrumentation, Communication & Computational Technologies ICCICCT-2015	IEEE SSC and CAS Chapters	NICHE Dec 18 & 19-2015	All the papers are Published in IEEEEXPLORE	Conference Chair
International Conference on Control, Instrumentation, Communication & Computational Technologies ICCICCT-2016	IEEE EDS & IEEE India Chapters	Dec 16 <sup>th</sup> & 17 <sup>th</sup> - 2016	All the papers are Published in IEEEEXPLORE	Conference Chair
International Conference On Intelligent Computing, Instrumentation And Control Technologies-2017	IEEE CAS & IEEE India Chapters ISRO, KSCSTE	6 <sup>th</sup> & 7 <sup>th</sup> July 2017	All the papers are Published in IEEEEXPLORE and Special Issues were published in Elsevier and T&F journals.	Conference Chair
International Conference on Control, Power Communication and Computing Technologies	IEEE Kerala Section AICTE	23 <sup>rd</sup> & 24 <sup>th</sup> March 2018	All the Papers are published in IEEEEXPLORE	Publication Chair

(ICCPCT-2018).				
International Conference On Intelligent Computing, Instrumentation And Control Technologies-2019	IEEE CAS&IEEE India Chapters DRDO& CSIR	5 <sup>th</sup> &6 <sup>th</sup> July 2019	All the Papers are published in IEEEEXPLORE	Conference Chair

**X. NATIONAL SEMINARS/WORKSHOPS ORGANISED:**

Name of the Seminar/Symposium/Workshop /Conference	Collaborating institution(s)	Venue &Date
Design and Sizing of Control Valves	RK Control Valves	Dept of EIE, NICE, 14 <sup>th</sup> February 2011
State level Instrument Expo for School Children	NICHE	NICHE.7 <sup>th</sup> Nov 2013
National level Workshop on Industrial Automation	Automation India Ltd	Dept. Of EIE Oct2013
National Level Workshop on Engineering Graphical System Design Using LABVIEW	Trident Techlabs Pvt., ltd.	Dept of EIE 5 <sup>th</sup> -7 <sup>th</sup> January2011
National Level Workshop on Control & Image Processing Applications: Hands On Training Using Matlab	Dept of EIE, NICHE,	Dept of EIE, NICHE, 18 <sup>th</sup> -20 <sup>th</sup> October 2012
National Conference on Recent Advances in Industrial Networking RAIN-1	Dept of EIE, NICE	30 <sup>th</sup> -31 <sup>st</sup> March 2011
5days Training Programme on Distributed Control Systems	YOKOGAWA India Limited	15 <sup>th</sup> -19 <sup>th</sup> Feb 2012
5days Training Programme on DCS Fundamentals and Engineering	YOKOGAWA India Limited	28 <sup>th</sup> October to 1 <sup>st</sup> November 2010
5days Training Programme on PLC & SCADA	YOKOGAWA India Limited	2 <sup>nd</sup> to 6 <sup>th</sup> March 2011
FDP on Control & Image Processing Applications: Hands On Training Using Matlab	VJEC	4 <sup>th</sup> -8 <sup>th</sup> Dec 2017
FDP on Industrial Automation	Indwell Automation /VJEC	27 <sup>th</sup> Nov -2 <sup>nd</sup> Dec 2017
Six days STTP on Transdisciplinary approach in Engineering Education	AICTE	16 <sup>th</sup> to 21 <sup>st</sup> July 2019

**XI. COURSES / TRAINING PROGRAMMES INCLUDING STAFF DEVELOPMENT PROGRAMMES PARTICIPATED**

S. No.	Name of the Course/ Training Programme	Sponsoring Agency	Venue & Dates
1.	One day workshop on Embedded Systems and Networking	ISA	Ramada Raj Park Chennai, Nov 16 <sup>th</sup> 2002
2.	One day workshop on Patent Awareness	TNSCST	NICE, Feb 16 <sup>th</sup> 2004
3.	One day workshop on Environment and Pollution Awareness	AICTE	28 <sup>th</sup> May 2004
4.	Neuro Fuzzy Based Control Design	AICTE	Dept of EEE, NICE May 30 <sup>th</sup> – 11 <sup>th</sup> June 2005
5.	Power Electronics	CFFD, Anna University Chennai	Dept of EEE, NICE 21 <sup>st</sup> Nov – 3 <sup>rd</sup> Dec 2005
6.	International Conference on Emerging Adaptive Systems & Technologies (EAST 2005)	NICE	NICE ,16 <sup>th</sup> & 17 <sup>th</sup> of Dec 2005
7.	Soft Techniques for Measurement and Automation	AICTE	Dept of EIE, NICE 5 <sup>th</sup> Dec-17 <sup>th</sup> Dec 2007
8.	One day faculty development programme on Soft Computing Techniques	IEEE Kalasalingam University	Kalasalingam University, 10 <sup>th</sup> and 11 <sup>th</sup> Aug 2007
9.	One day workshop on Virtual Instrumentation Using LabVIEW software	TechLabs	St.Xaviers catholic college of Enginnering, Chunkankadai, Feb 28 <sup>th</sup> 2007
10.	Three daysworkshop on Emerging Trends in VLSI Devices using Embedded Systems	AICTE	Dept of EIE, NICE, 5 <sup>th</sup> - 7 <sup>th</sup> Nov 2007
11.	Two days workshop on Trends in Process Control System Security	NICE	Dept of EIE, NICE, 26 <sup>th</sup> & 27 <sup>th</sup> Sep 2007
12.	One day faculty development programme on Recent Trends in Loss Reduction in Power Systems	AICTE	13 <sup>TH</sup> -15 <sup>TH</sup> Nov2008
13.	Computer Algorithms and Complexity	AICTE	Dept of Maths, NICE 4 <sup>th</sup> to 16 <sup>th</sup> May 2009
14.	International Conference on Latest Trends in Simulation Modelling and Analysis	NIT, Calicut,	NIT Calicut, 17 <sup>th</sup> to 19 <sup>th</sup> Dec 2009
15.	Orientation programme on Industrial Expectations	Anna University	Anna Univ, Chennai, 15 to 16 <sup>th</sup> sep-2009
16.	Two days staff development programme on Soft Computing- New Trends, Research Issues and Applications (WSC-09)	Anna University, Tirunelveli	Anna University, Tirunelveli, 19 <sup>th</sup> and 20 <sup>th</sup> March 2009
17.	DCS Fundamentals and Engineering	NICHE	NICHE, 28 <sup>th</sup> October to 1 <sup>st</sup> November 2010
18.	Recent Researches on Fuzzy Logic and Neural Networks	MHRD and AICTE	National Institute of Technology- Trichy 21 <sup>st</sup> June-3 <sup>rd</sup> July 2010

19.	One day faculty development programme on Smart MEMS and Sensor Systems	CSIR	EIE, St. Peters Engg. College, 1 <sup>st</sup> and 2 <sup>nd</sup> Dec 2010
20.	One day workshop on Right to Information Act	State Information Commission-Tamilnadu	NICHE,9 <sup>th</sup> Oct 2010
21.	Two days workshop on Application of MATLAB/Simulink to Electrical Engineering	VIT	VIT, 20 <sup>th</sup> and 21 <sup>st</sup> Dec 2010
22.	Two days workshop on Smart MEMS & Sensor Systems	St.Peters University,	St.Peters University, Chennai, Dec 1 <sup>st</sup> & 2 <sup>nd</sup> , 2010
23.	PLC & SCADA	NICHE	NICHE, 2 <sup>nd</sup> to 6 <sup>th</sup> March 2011
24.	International Conference on Signal Processing, Communication, Computing and Networking	IEEE	21 <sup>st</sup> and 22 <sup>nd</sup> July2011
25.	Three days workshop on Engineering Graphical System Design using LabVIEW	Trident Techlabs	Dept of EIE, NICHE, 05 <sup>th</sup> to 7 <sup>th</sup> January 2011
26.	One day workshop on Design and Sizing of Control Valves	Dept of EIE,	Dept of EIE, NICE, 14 <sup>th</sup> February 2011
27.	One day workshop on Recent Trends in Intelligent System Security Using LABVIEW	DRDO	28 <sup>TH</sup> -29 <sup>th</sup> April2011
28.	One day workshop on Make Research Simple	Universal Professional Association	Arunachala College of Engineering for Woman 13 <sup>th</sup> Aug 2011
29.	Control and Image Processing applications:Hands on Training Using Matlab	EIE	NICHE,18 <sup>th</sup> Oct2012-20 <sup>th</sup> Oct 2012
30.	Mini Colloquium on Micro Electronics Circuits and Systems	IEEE India SSCS Chapter	NICHE,24 <sup>th</sup> Feb 2012
31.	Aakash for Education	ISTE	IIT Bombay 10 <sup>th</sup> &11 <sup>th</sup> Nov 2012
32.	Training Programme on Human rights issues	National Human rights Commission-New Delhi	Heera College of Engineering and Technology 15 <sup>th</sup> Dec 2012
33.	NPTEL Workshop	NPTEL	VJEC, 17/06/2016
34.	Two days programme on Outcome based Accrediation&NBA Process	VJEC	VJEC, 1 <sup>st</sup> &2 <sup>nd</sup> July 2016
35.	TEQIP Sponsored National Workshop on Robotics and Control (RAC 16)	NIT Calicut	NIT Calicut, May 23 <sup>rd</sup> - 27 <sup>th</sup> , 2016
36.	Seven days Faculty Development Programme on Smart Grid &Smart City	TEQIP-II	GCT, Coimbatore 09-11-2016-15-11-2016
37.	Five days National workshop on	IEEE India	VJEC, 05/12/2016-

	Advanced Control Image and Signal Processing	CAS Chapter	10/12/2016
38.	One week GIAN Course on Advanced Process Control	GIAN	NIT Warangal 12/12/2016-17/12/2016
39.	Five days Faculty Development Programme on Automatic Systems	INDWELL Automation	VJEC, 28/11/2016- 02/02/2017
40.	FDP on Entrepreneurship	NSTEDB, DST, EDI	Amrita ViswaVidyapeetham, Coimbatore, 11 <sup>th</sup> to 23 <sup>rd</sup> Dec. 2017
41.	Course on Applied Optimal Control and State Estimation	CCE	IISC Bangalore, 02 <sup>nd</sup> to 06 <sup>th</sup> July 2018
42.	AICTE- UKIERI Technical Leadership Development Programme – Phase I	AICTE	AICTE Headquarters, New Delhi, 30 <sup>th</sup> July to 2 <sup>nd</sup> August 2019
43.	AICTE- UKIERI Technical Leadership Development Programme – Phase II	AICTE	Jodhpur Institute of Engineering and Technology, Jodhpur, 4 <sup>th</sup> Dec. to 7 <sup>th</sup> Dec. 2019

### **XIII. BOOKS EDITED**

1. Proceedings of 2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT) ISBN 978-1-5090-6104-4
2. Proceedings of 2018 International Conference on Control, Power, Communication and Computing Technologies (ICCPCT) ISBN: 978-1-5386-0794-7
3. Special Session on Intelligent Computing in Smart Technologies, Computers and Electrical Engineering, Volume 73, 2019, ISSN: 0045-7906
4. Proceedings of 2019, 2<sup>nd</sup> International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT) ISBN 978-1-7281-0282-5

### **XIV. BOOK CHAPTERS PUBLISHED**

1. Anoop Balakrishnan Kadan, Perumal Sankar, T.V. Roshini, K.C. manoj, D. Anto Sahaya Dhas, **G. Glan Devadhas**, "Lesion detection using segmented structure of retina", *Chapter 14 -Diabetes and Fundus OCT*, Pp. 379-407, Elsevier 2020, ISBN: 978-0-1281-7440-1
2. Akhil Jose.V, Justin Joseph, **Glan Devadhas**, Influence of Filter Bank Structure on the Statistical Significance of Coefficients in Cepstral Analysis for Acoustic Signals, *International Symposium on Signal Processing and Intelligent Recognition Systems, Advances in Intelligent Systems and Computing book series (AISC, volume 678)*, Springer, Cham, pp. 91-104, 2017, ISBN: 978-3-319-67934-1
3. Lab Manual, Process Control Lab, 2017
4. Lab Manual, Control & Signal Processing Lab, 2018

### **XII. RESEARCH GUIDANCE:**

#### **A) Ph.D Produced**

**Aswathy S.U. Thesis Titled “An Optimized Approach For Brain Tumor Segmentation Using Intelligent System” Viva –Voce Exam Dated 15/05/2019 at Noorul Islam Centre for Higher Education, Kumaracoil**

**B) Details of Ph.D. Guidance in progress**

S. No.	Name of the Candidate	Area of Research	Name of the University	Date of Registration
1.	Kabila.V	Controller Design	Noorul Islam Centre for Higher Education, Kumaracoil	12-09-2013
2.	Bibin Raj V S	Power Electronics	Noorul Islam Centre for Higher Education, Kumaracoil	27-08-2014
3.	Pravin Rose T	Controller Design	Noorul Islam Centre for Higher Education, Kumaracoil	27-08-2014
4.	Asish B Mathews	Networking	Noorul Islam Centre for Higher Education, Kumaracoil	
5.	Abdul Lateef	Controller Design	KTU	06/08/2019

**XIII. MEMBERSHIP IN PROFESSIONAL BODIES**

Name & Address of the Professional Body	Nature of Membership	Period of membership
Indian Society for Technical Education	Life	2011 onwards
Instrumentation Society of Automation	Executive	2013 onwards
IEEE, CAS chapter		2015 onwards
IAENG	Life	2016 onwards
International society for research and Development	Fellow	2016 onwards
Institute for Exploring Advances in Engineering (IEAE)	Professional	2017 onwards
Soft Computing Research Society	Life	2018 onwards

**XIV. OTHER DETAILS OF RELEVANCE AND IMPORTANCE**

- Received Appreciation Certificate from Computers and electrical Engineering (Elsevier Journal) for serving as a guest editor of the special section on Intelligent Computing in Smart Technologies.
- Received the Award and Appreciation Certificate from VimalJyothi Engineering College for the conduct of IEEE International Conferences 2017 and 2019.
- Received ‘**Best HOD**’ Award from Noorul Islam Centre for Higher Education, Kumaracoil during the year 2010-2011.
- Received ‘**Best Department**’ award from Noorul Islam Centre for Higher Education, Kumaracoil during the year 2010-2011.

- Received award for achieving centum result in the theory examinations during May 2010 and December 2010.
- Acted as the Programme officer for NSS from 2008-2011.
- Involved in establishment of NIU Satellite AOCS Simulation Lab.
- Worked as Departmental Placement Office for the Academic Year 2008-2010 and Maximum percentage of students got placed during those Years.
- Department signed MOU with YOKOGAWA India limited for training and placement activities while acting as HOD of EIE department in NICHE in the year 2010..
- Acted as Convener for various organization committees for the International conferences conducted by the Noorul Islam University.
- Acted as Convener for various organising committees for the Convocation conducted by the Noorul Islam University.
- Acted as Member for Noorul Islam University level NAAC accreditation steering Committee.
- Acted as Member of Board of Studies for Avionics Department.
- Acted as Member of Board of Studies for Biomedical Engineering Department.
- Acted as Chairman Board of Studies for EIE Department in Noorul Islam University.
- Acted as Member of Academic Council for the University.
- Acted as Centre coordinator for Noorul Islam University Entrance Examinations.
- Acted as Noorul Islam University level anti ragging Squad member.
- Reviewer of many International Journals.
- Acted as an IEEE sub reviewer and Reviewed 5 papers in “International Conference on Circuits, Power and Computing Technologies ICCPCT2014.
- Acted as a sub reviewer and Reviewed 5 papers in Artificial Intelligence and Evolutionary Algorithms in Engineering Systems, Noorul Islam Centre for Higher Education, Kumaracoil on the 23rd & 24th of April 2014, ICAEES 2014.
- Acted as a sub reviewer and Reviewed 3 papers in “International Conference on Emerging Trends in Science, Engineering, Business and Disaster Management" Noorul Islam Centre for Higher Education, Kumaracoil on the 23rd & 24th of feb 2014, ICBDM – 2014.
- Acted as a sub reviewer and Reviewed 3 papers in “International Conference on Emerging Trends in Science, Engineering, Business and Disaster Management" Noorul Islam Centre for Higher Education, Kumaracoil on the 23rd & 24th of Feb 2014, ICBDM – 2014.
- Acted as a sub reviewer and Reviewed 5 papers in “International Conference on Soft Computing in Applied Sciences & Engineering (ICSCASE-2015)” to be held on July 23<sup>rd</sup> and 24<sup>th</sup> 2015 at Noorul Islam University organized by Electronics and Instrumentation Engineering Department.
- Lead the department for NAAC and NBA inspection and got A grade for the University.
- Acted as a Convener Expert committee for Syllabus equivalence at Kannur University
- Having Valid Passport **withPassport No:N8353426 Validity** 13/03/2026

Date : 11/05/2020

Place:VJEC



(Dr. G. Glan Devadhas)