Sri Sai Ram Engineering College
Department of Electrical and Electronics Engineering

1. Name **: Dr.A.Sanjeevi Gandhi**	
2. Designation:	Associate Professor
3. Qualification :	Ph.D – Electrical Engineering M.E. – Control and Instrumentation B.E.- Electronics and Instrumentation
4. Area of Specialization :	Electrical Engineering- (Industrial Automation)
5. Experience :	Teaching : UG: 19 PG : 15 Industry :6
6. No. of workshop : FDP attended	Workshop- 15 FDP :10
7. Publication :	**Journal** National : 2 International : 33 **Conference** National : 3 International : 40
8. Research Guidance :	Completed: 02 Ongoing:03
9. General :	Deputy Chief-Coordinator (IIPC), Mentor.
10. Staff Achievements:	iDEX Winner (DISC 10 & DISC 7). Co-Founder & Director – Armor Grandeur Pvt Ltd. (Defence Electronics Product Development) .

EXPERIENCE:

Name of The Employer	Position Held	Period	
		From	To
Sri Sairam Engineering College	Associate Professor	August 2021	Till Date
Karpagam College of Engineering	Professor	June -2017	June- 2021
Karunya University	Assistant Professor	June -2011	June-2017
Sri Ramakrishna Engineering College	Assistant Professor	December-2008	May-2011
RV College of engineering	Lecturer	January- 2008	November- 2008
RVS college of engineering and technology	Lecturer	July-2006	January-2008

RESEARCH EXPERIENCE:

18+ years of research expertise in the fields of **Instrumentation Engineering** based on sensors, intelligent system design, and process automation and control.

i) Supervisor Recognition

- Approved supervisor under the faculty of Electrical Engineering, Centre for Research, **Anna University, Chennai -600025**, Tamil Nadu (**Reference No: 3330032**).
- Approved supervisor under the faculty of Electronics and Instrumentation Engineering, **Karunya University, Coimbatore -600114**, Tamil Nadu.
- Number of Research Scholars registered under my supervision: **4**
- Number of scholars completed: **2**

ii) Intellectual Property Rights

- Indian Patent **Granted** for the title "**Fully Automated Domestic Liquid Waste Cleaning System**" on Jan 2019 (Application Number: 201941000884).

- Indian Patent **Granted** for the title "**Portable Wireless Identification Card for Attendance Marking System**", on March 2019, (Application Number: 201941008039).

- Indian Patent published for the title "**Virtual instrumentation based Automatic fabric Defect Detection System for Textile Industries**", on December 2021.

- Indian Patent published for the title **"Automatic Oxygen Level Monitoring System for Closed Air Conditioning**", on June 2021.

- Indian Patent published for the title **"Automatic AC Gas Sensing and Filling System for Cars"**, on May 2023.

iii) Research Guidance

Degree	Name of the student & Date of Registration	Topic of Research	Current Status
Ph.D	Vijay Daniel P & July 2014	Intelligent Controllers design for Biomass Based Biogas Generation	Completed
Ph.D	Kingston Stanley P & July 2014	Design and development of controller for waste water treatment	Completed
Ph.D	Jimry H & July 2016	Design and analysis of Vacuum Pressure System	Pursuing
Ph.D	Ms.S.Sumitha & Jul 2023	Design and development of regenerative braking system in EV	Pursuing
Ph.D	Jaganadhan M & Jul 2025	Smart Power Conversion of Gan Based Inverter Modules for Electric Vehicles and Renewable Energy Systems	Pursuing

iv) Funded Projects

Sl.No	Title of the project	Sponsored Agency	Amount in Rs	Year	Status
1	Design and development of Convertor unit, Voltage and Frequency regulating unit, and Gyroscope	DIO-iDEX Ministry of Defence	1.9 Crore	2024	Ongoing
2	Autonomous starting, running and shutting down of a Diesel Alternator suitable for charging Lithium-Ion Batteries	DIO-iDEX Ministry of Defence	90 Lakh	2023	Ongoing
3	Design and Development of IOT Based Intelligent Adaptive Fuzzy-PI Cascade Controller for Regenerative Braking in Electric Vehicles	Universiti Teknologi Petronas	7 Lakh	2022	Completed
4	PRERANA- Higher Education Studies	AICTE	6 Lakh	2019	Completed
5	PLC Based Automatic bread omelet vending machine	Mitsubishi-KCE	2 Lakh	2019	Completed
6	Efficient Negative Pressure Wound Therapy for Diabetic wound	Seesha-Lancet	1 Lakh	2017	Completed
7	Model Based controller for Decolorization Process in textile Waste Water	Karunya University	30000	2015	Completed

8	Automatic Control of Ash Extraction for a Wood Gasifier	Karunya University	30000	2014	Completed
9	Self-balancing of Two Wheeled Robot	Karunya University	20000	2014	Completed
10	Integrated Water Quality control and efficient distribution network management for subterranean pipe line	Tamilnadu Skill Development Corporartion(Niral Thiruvizha)	10000	2024	Completed
11	Risk watch Guardian- An Explosion risk detection system for oil and gas industries	Tamilnadu Skill Development Corporartion(Niral Thiruvizha)	10000	2024	Completed

v) Industry Consultancy

- Seesha Hospital, Karunya Nagar, Coimbatore.
- Pricol pvt Ltd, Coimbatore.
- Nexus Automation Solution, Coimbatore.
- Miltronics ematicks, Coimbatore.
- YM Automation PVT LTD, Coimbatore.

vi) *Products/Prototypes Developed*

- Intelligent Battery Management System (BMS) for Li ion Battery Pack.
- Autonomous operation of Disel Alternator
- Robot for bread omelet vending machine
- Negative Pressure Wound therapy instrument for Diabetic wound healing
- Fully automatic domestic wastewater treatment system
- Biometric enabled student ID card for automatic attendance   marking system
- Affordable sensor less water quantity meter for sewage treatment   plant
- Water Leakage detection and control system for domestic applications

vii) Awards

- Received Emerging Entrepreneur award at South Indian Defence Association.
- Received Best researcher award at Karpagam College of Engineering
- Received Best Paper award in IEEE International Conference on Green Computing, Communication and Electrical Engineering, Organized by Dr.NGP Institute of Tech, Coimbatore, and March 6-8, 2014.
- Book Chapter award in the book titled Gasification for Practical applications. Rijeka: InTech, October-   2012. ISSN 0192303X.

viii) Positions Held

- Co-Founder & Director(R&D) – Armor Grandeur PVT LTD, Chennai.
- Deputy Chief Director - Industry Institute Partnership Cell (IIPC)
- Research Co-Ordinator – Karpagam college of engineering
- Project Coordinator - Undergraduate Students - Karpagam college of engineering
- Centre Head for LabVIEW Academy – Karpagam college of engineering
- Project coordinator - PG(Control and Instrumentation), Karunya University
- Research Group Head – Instrumentation & Process Control, Karunya University
- NAAC – Coordinator, Electronics and Instrumentation Engineering, Karunya University.
- ISOI- Co-Ordinator- Sri Ramakrishna Engineering College
- SIG Head -Electric Vehicle Domain

International Conference Publications:

1. Janani, J., Gandhi, A.S., Aishwarya, S., Akshaya, A. "Integrated Water Quality Control and Efficient Distribution Network Management for Subterranean Pipeline" IEEE International Students' Conference on Electrical, Electronics and Computer Science, SCEECS 2024, 2024

2. Janani, J., Sanjeevi Gandhi, A., Aishwarya, S., Porselvi, T. "Smart Water Monitoring with GSM Alerts: An IoT Approach" IEEE International Students' Conference on Electrical, Electronics and Computer Science, SCEECS 2024, 2024

3. Sumitha, S., Porkumaran, K., Suresh, K., Gandhi, A.S., Mohan, S. "Analysis of Permanent Magnet Synchronous Motors in Hybrid Electric Vehicle" Intelligent Computing and Control for Engineering and Business Systems, ICCEBS 2023, 2023

4. Ramani Kannan, Porkumaran K, Komathi, Sanjeevi Gandhi A **"Design and Simulation of a Bidirectional DC-DC Converter with PI Controller for Regenerative Braking in Electric Vehicles"** 2023 IEEE Conference on Energy Conversion (CENCON)-2023.

5. Sanjeevi Gandhi A.Porkumaran K.Jeeva C.Kothai R.Kannan R., **"Design and Development of an Estimate Controller for a Fusion Tank System"** 3rd International Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2022 - Proceedings, Year 2022.

6. Sanjeevi Gandhi A, NA Suriyan, P Muralidharan, A Mukeshwaran**, "Battery Management System Using IOT with Prediction Algorithm Using Machine Learning"** 3rd International Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2022 - Proceedings, Year 2022.

7. K Suresh; A Sanjeevi Gandhi, Soumya M, Dakshina R, **"Smart Lane Detection Using Open CV and Image Processing"** 3rd International Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2022 - Proceedings, Year 2022.

8. C. Jeeva, GS Chaurasia, T. Porselvi, A.Sanjeevi Gandhi, G. Subiksa M. Dhivyashri **"Atmospheric Air Condensation for Irrigation by the application of Peltier effect using Solar energy"**, 3rd International

Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2022 - Proceedings, Year 2022.

9. A.Sanjeevi Gandhi, K.Ramash Kumar, B.Nagaraj **"A novel measuring device for monitoring a yarn twist and spindle speed in ring spinning machine using wireless technology"** International conference on CTEEE Feb 2018.

10. J.Indirapriyadharshni, T.Sivaranjani, A.Sanjeevi Gandhi, **"Implementation of Fuzzy PID for level control of Three tank Interacting system"** International conference on CTEEE Feb 2018.

11. Vijay Daniel, Sanjeevi Gandhi A, **"Design and standardization of temperature measurement system for biomass downdraft gasifier"** IEEE international conference on ICIEEIMT Feb 2017.

12. Kingston Stanley P, Sanjeevi Gandhi A, **"Online color monitoring and control of color removal process in textile waste water"** IEEE international conference on ICIEEIMT Feb 2017.

13. Surya, Sanjeevi Gandhi, **"Raspberry Pi Based Vehicle Collision Avoidance System"** IEEE international conference on ICIEEIMT Feb 2017.

14. Neha Marisa Noble, Sanjeevi Gandhi A, **"Model based fault detection and diagnosis using observer residual generator in a level process"** IEEE international conference on innovations in information embedded and communication systems, Mar, 2016.

15. Mariya shaju I, P.Vijay Daniel ,Sanjeevi Gandhi A, **"Palm dorsa subcutaneous vein pattern recognition system "** IEEE international conference on innovations in information embedded and communication systems , Mar, 2016.

16. Debbie Dahlia I, P.Vijay Daniel ,Sanjeevi Gandhi A, **"Human-Object interaction using RFID in ambient assisted living environment"** IEEE international conference on innovations in information embedded and communication systems , Mar, 2016.

17. Sanjeevi Gandhi A, Suresh **"Fabrication and standardization of a standalone feedback optical quantification system for continuous flow reactor used in decolorization of dye solutions"** International Conference on converging biotechnology innovations for Health, food and environmental welfare at Karunya university, Dec 2-4 2015.

18. N Gayathri, Sanjeevi Gandhi A, **"Design and development of an adaptive controller for a hybrid tank system"** IEEE 2nd international conference on Knowledge collaboration in engineering, Mar 27-28, 2015.

19. Jannaniy S, Sanjeevi Gandhi A, **"Detection of stiction behavior in pneumatic control valve"** IEEE 2nd international conference on Knowledge collaboration in engineering, Mar 27-28, 2015.

20. Jeffrey Samraj, Sanjeevi Gandhi A, **"Performance improvement and control strategies for supersonic wind tunnel"** IEEE 2nd international conference on Knowledge collaboration in engineering, Mar 27-28, 2015.

21. Nice cyriac, Sanjeevi Gandhi A, **"Model based compensator for control valve"** IEEE sponsored 2nd international conference on innovations in information embedded and communication systems, IIIECS 2015.

22. Sam Justus, Sanjeevi Gandhi A, **"Real time implementation of pH neutralization in waste water treatment process"**, international conference on current innovations in engineering and technology, 19th April 2015.

23. Karthick Raja. Sanjeevi Gandhi A., **"Modeling and control of thermal desalination pilot control"** International Conference on Natural resources restoration technologies, April 17-18 2015.

24. Parvathy S, Sanjeevi Gandhi A, **"Stabilization of an inverted pendulum using robust controller"**, IEEE sponsored 9th international conference on intelligent systems and control, (ISCO) 2015.

25. N Gayathri, Sanjeevi Gandhi A, **"Real time implementations of modified MRAC for a hybrid tank system"** international conference on recent innovations in engineering, ICRIE 2015.

26. Jannaniy S, Sanjeevi Gandhi A, **"Identification of stiction behavior in pneumatic control valve"**, International conference on recent innovations in engineering, ICRIE 2015.

27. S Venkateshgowtham, Sanjeevi Gandhi. A, **Thought based control for robotic arm"**, International conference on electrical instrumentation & communication engineering recent trends and research issues. ICE – RTRI 2015.

28. Madhu.V, Sanjeevi Gandhi, A., **"Implementation of a double controller scheme for an autonomous tuning in level process"**, IEEE International Conference on Green Computing, Communication and Electrical Engineering, Organized by Dr.NGP Institute of Tech, Coimbatore, March 6-8,2014.

29. Koshy, L.C. , Sanjeevi Gandhi, A., **"Real Time Wavelet based denoising Technique for liquid level system on FPGA platform"**, IEEE International Conference on Green Computing, Communication and Electrical Engineering, Organized by Dr.NGP Institute of Tech, Coimbatore, March 6-8,2014.

30. Reshma Angelene Jose, A.Sanjeevi Gandhi**," Development and control of a Non Linear Magnetic Levitation System",** International Conference on Advance engineering and technology venue IRD INDIA, Cochin 27 Jan 2013.

31. B.Rene priya, A.Sanjeevi Gandhi **"Modelling and Implementation of fuzzy PI Controller for Liquid flow control"**,International conference on Innovations in Intelligent Instrumentation, Optimization & Signal Processing organized by KITS,Coimbatore, 1st-2nd March 2013.

32. Sanjeevi Gandhi A., Rakhi Gopinath **"Fractional Order Controller for a spherical Tank",** International conference on Global Challenges and Strategies in Engineering management and Disaster Management organized by Noorul Islam University, Nagarakoil, Tamil Nadu, 8th and 9th March, 2013.

33. Sanjeevi Gandhi A **"Modeling and analysis of PI and Grey prediction Controller"**, International conference on Advanced computing machines and embedded technology (ICACT 2013) organized by J.K.K.Natraja College of Engineering and Technology Tamil Nadu, 8th and 9th March, 2013.

34. Rakhi Gopinath, Sanjeevi Gandhi A., **"Design of Fractional Order Controllers for First Order plus Time Delay System"**, International conference on Innovations in Intelligent Instrumentation, Optimization & Signal Processing organized by KITS, Coimbatore, 1st -2nd March 2013.

35. Sanjeevi Gandhi A., T.Kannadasan, R.Suresh **"Development of Static Model and Control Schemes for Biomass Gasifier"**, International Conference on Emerging Technological Trends in Advanced Engineering Research (ICETT-2012), Baselios Mathews II College of Engineering, kollam, Kerala, from 20/02/2012 to 21/02/2012.

36. Sanjeevi Gandhi A., **"Model Reference Adaptive control for a decoupled Multi Input Multi output System"** International Conference on Emerging Technological Trends in Advanced Engineering Research (ICETT-2012), Baselios Mathews II College of Engineering, kollam, Kerala , from 20/02/2012 to 21/02/2012.

37. Sanjeevi Gandhi A., T.Kannadasan **"Neural Network Predictive Control of Heat Exchanger System"**, International Conference on Futuristic Trends in Electronics Engineering (ICFTEE 2012), Thiruvalluar College of Engineering, Vandavasi, from 28/01/2012 to 29/01/2012.

38. Sanjeevi Gandhi A,**"ANFIS Based control of a flow process station"**, International Conference on Futuristic Trends in Electronics Engineering (ICFTEE 2012) , (ICFTEE 2012), Thiruvalluar College of Engineering, Vadavasi, from 28/01/2012 to 29/01/2012.

39. Sanjeevi Gandhi.A., T. Kannadasan and R. Suresh, **"Automatic Control of Ash Extraction for a Wood Gasifier using Fuzzy Controller",** IEEE International Conference, on Process Automation, Control and Computing proceeding, 2011. ISBN: 978-1-61284-765-8.

40. Sanjeevi Gandhi.A., T. Kannadasan and R. Suresh A., **"Hardware design of fuzzy controller for biomass downdraft gasifier with labVIEW"**, IEEE Region 10 Annual International Conference, Proceeding/TENCON, pp.2096-2101, 2010.

National Conference Publications:

1 Sanjeevi Gandhi A, Kingston Stanley P, **"A Measurement of color concentration in textile industry waste water using optical method"** Proceedings of the TEQIP Sponsored National Conference on Instrumentation systems at Pondicherry Engineering College, Jan 7, 2016.

2 Sanjeevi Gandhi A**.," Comparison of Fuzzy PI and Grey Fuzzy PI Controller"** National conference on Recent Trends in control system and power electronics Organized by Vivekanandha Institute of Engineering and Technology for women, Tiruchengode 27-28 Dec 2013.

3 Sanjeevi Gandhi A., R.Sureh, **"Twist and Speed Monitoring in Ring Spinning Machine using Handheld Instrument"**, National Conference, on recent trends in instrumentation 2009. At RVS College of Engineering and Tech, Dindigul.

Journal Publications:

1. B Rebecca P Sumathi A Sanjeevi Gandhi "An Experimental investigation on Feature Extraction and Fault Detection in Analog circuits using Fuzzy logic and Neural Network", Journal of New Materials for Electrochemical SystemsThis link is disabled, 2025.

2. Suresh, K., Porkumaran, K., SanjeeviGandhi, A., Venkatesan, G., Jeeva, C. "Combined Simulated annealing and Improved Binary PSO based Optimal Corona Ring Design for High Voltage Transmission Line" Przeglad Elektrotechniczny ., Vol 5, pp. 222–229, 2024,

3. Sanjeevi Gandhi A, Azhagumurugan R, Mohanraj K, **"An Experimental study-based dynamic modelling and control of thermal desalination pilot plant"** Journal of institution of Engineers (India): Series B, 2023. (https://doi.org/10.1007/s40031-023-00935-7).

4. Jimry H, Sanjeevi Gandhi A, **"Development of empirical model and controller for negative pressure wound therapy system"** International journal of biomedical engineering and technology, Vol.34 No.1, pp.45 – 56,2020.

5. Kingston stanley P, Sanjeevi Gandhi A, **"Real Time Control of Dissolved Oxygen for Industry Effluent Water using PID Controller"** Test Engineering and Management, Vol.82,No.Jan-Feb,2020.

6. Vijay Daniel P, Sanjeevi Gandhi A, **"Analysis and Control of Temperature Process Dynamics during Biomass Gasification Process in Downdraft Gasifier"**, Test Engineering and Management, Vol.82,No.Jan-Feb,2020.

7. Sanjeevi Gandhi A, Nagaraj B, **"Design of handheld device for monitoring of individual spindle speed in spinning machine using wireless technology"** Journal of mechanics of continua and mathematical sciences, Special issue, N0-7,2020.

8. Kingston stanley P, Sanjeevi Gandhi A, **"A model free dissolved oxygen controller for industry effluent using hybrid variables measuring technique"** International Journal of Advances in Applied Sciences, Vol. 8, No. 2.,2019.

9. P.Kingston Stanley, P.Vijay Daniel, J.Samson Isaac, A.Sanjeevi Gandhi, **"Enhancing physical activity based on BCI for Physically disabled"** International journal of innovative technology and exploring engineering, Vol.8/no.8s,2019.

10. Vijay Daniel P, Sanjeevi Gandhi A, **"Enhanced Conventional PID controller for Temperature Control in Woody Gasifier using Searching Algorithms"** International journal of innovative technology and exploring engineering, Vol.8/no.4s, 2019.

11. Kingston stanley P, Sanjeevi Gandhi A, **"Process Optimization of Color Removal from an Industrial Azo Dye"**, International journal of innovative technology and exploring engineering, vol.8/no.4s,2019.

12. Sanjeevi Gandhi A, Vijaydaniel P, **"Automatic Temperature Control of Biomass Gasifier System Using Fuzzy Controller"** Journal of electrical engineering, Vol.18, edition 2, 2018.

13. Sanjeevi Gandhi A, Kingston stanley P, **"Online Measurement Method for Colours and Its Concentrations in Textile Effluent Water"** Journal of electrical engineering, Vol.18, edition 4, 2018.

14. Anthony Jesudurai, Senthilkumar Senthilkumar, Sanjeevi Gandhi A **"Energy Efficient Clustreing Methods in Wireless Sensor Networks Using Binary Coded Genetic Algorithm"** Journal of electrical engineering, Vol.18, edition 4, 2018.

15. C.Mahesh,F.T.Josh, P.Vijay daniel, Sanjeevi Gandhi A., **"A comprehensive study on production, control and communication techniques: A key concept for microgrid intelligent operation"**, International Journal of engineering and technology, Vol.7 No.2.8, pp.35-41, 2018.

16. C.Mahesh, P.kingston Stanley, Sanjeevi Gandhi A., **"Embedded design consideration for food intake monitoring system: validated using labview software"**, International Journal of engineering and technology, Vol.7 No.2.8, pp.47-51, 2018.

17. P.kingston Stanley, P.Vijay daniel, Sanjeevi Gandhi A., **"Vehicle parking management and reservation system using labview"**, International Journal of engineering and technology, Vol.7 No.2.8, pp.120-124, 2018.

18. P.Vijay daniel, Sanjeevi Gandhi A., **"Design of Mathematical Modelling and Control of Downdraft Biomass Gasifier"**, International Journal of Control and Automation , Vol.10 No.11, pp.175-184, 2017.

19. P.Kingston Stanley, Sanjeevi Gandhi A., **"Industrial effluent water pH Neutralization controller design using LabVIEW &Matlab",** International Journal of Pure and Applied Mathematics , Vol.117 No.10, pp.19-23, 2017.

20. P.Vijay daniel, Sanjeevi Gandhi A., **"Design for Modeling and Control of Temperature Process in Downdraft Gasifier System: Simulation Studies"**, International Journal of Pure and Applied Mathametics , Vol.117 No.10, pp.13-17, 2017.

21. R.Surya Kumar , P.Kingston Stanley, A.Sanjeevi Gandhi., **"Automated Vehicle Collision Avoidance and Navigation Using Raspberry Pi "**, International Journal of Engineering and Techniques - Volume 3 Issue 4, July-Aug 2017**.**

22. Preethi Sreelatha, Sanjeevi Gandhi A., **"Optimized model reference adaptive control for an interacting two tank system",** International Journal of Engineering Systems Modelling and Simulation, Vol.6 No.1-2, pp.80-85, 2014.

23. Ria Maria Zacharia, Sanjeevi Gandhi A., **"Development of Decentralized Controller Based on Gain and Phase Margin for Interacting Processes",** The International Journal of Engineering and Science, Vol.3, No.2, pp.10-15, 2014.

24. Veena Madhu, Sanjeevi Gandhi A., **"LabVIEW based real time implementation of dual controller scheme for robust tuning in level process"**, International Journal of Engineering Research and Applications, Vol.4, No.4, pp.08-11, 2014.

25. Sanjeevi Gandhi A., **"High Speed Wavelet Based FIR Filter Architecture on FPGA Platform"**, International Journal of Research in Information Technology, Vol.2, No.3, pp.349-354, 2014.

26. Arunya A, Sanjeevi Gandhi A., **"Design of cascade control system based on sustained oscillation"**, International Journal of Engineering Research and Technology, Vol.3, No.1, pp.1566-1570, 2014.

27. Sanjeevi Gandhi A, S. Preethi **"Optimised Adaptive Controller for An Interacting System"** Asian journal of Electrical Sciences Vol.2, 2013.

28. Reshma Angelene Jose, Sanjeevi Gandhi A., **"Development and control of a non-linear Magnetic levitation system"**, International Journal on Theoretical and applied research in Mechanical engineering; Vol:2 Issue:1, 2013.

29. K.Rajasekaran, Sanjeevi Gandhi.A., S.Preethi, **"Real time Implementation of Decentralized PI controller for an Interacting Two Tank System"**, Karunya Journal of Research; Volume 4 Issue 1 Sep 2012 (pp 24-30).

30. Sanjeevi Gandhi.A., T. Kannadasan and R. Suresh, **"Steady state Model and Fuzzy inference System for Bio Mass Down Draft Gasifier"**, Karunya Journal of Research; Volume 4 Issue 1 Sep 2012 (pp 24-30).

31. A Kannadasan, Sanjeevi Gandhi, A, **"Development of Model and Fuzzy Inference System for Biomass Based Power Plant"**, European Journal of Scientific Research, Vol.80 No.1, pp.20-30, 2012.

32. Sanjeevi Gandhi A., **"Development of Control Techniques for Downdraft Biomass Gasifier System"**, Wulfinia Journal, Vol.21, No.10, pp.368-378, 2012.

33. Vinoth. V, Sanjeevi Gandhi. A **,"Analysis of The Effect of An Intelligent Controller on The Stability And Fault Analysis of BLDC Motors",** International journal of advanced development in science and technology, Volume : 5 Issue : 02 May 2023.

Books/ Chapter:

1. Sanjeevi Gandhi A, T.Kannadasan, R.Suresh **"Biomass Downdraft Gasifier Controller using Intelligent Techniques",** Dr. Yongseung Yun editor. Gasification for Practical applications. Rijeka: InTech, October- 2012. ISSN 0192303X.

2. Sanjeevi Gandhi A, J.Indirapriyadharshni, T.Sivaranjani, "**Fuzzy based smart approach for modelling and control of biomass gasifier"**, Lmbert academic publishing, 2019. ISBN : 978-620-0-46745-4.

Certification/Training Courses Completed:

- Electrical Vehicle Design
- PLC & Drives
- Labview Based Virtual Instrumentation
- Embedded System Design
- Entrepreneur Development Skill
- NITTR – Training on Engineering Teaching and Learning Methodologies

Professional Memberships:

- IEEE Senior Member
- ISTE
- ISOI