

Department of Electronics and Instrumentation Engineering:

2018:

1. Preethi R, Sangeetha S, Keerthana Priya M , Lakshmi Sangeetha A,2018,"Design and Implementation of Adaptive Jamming Gripper" , International Journal of Scientific & Engineering Research, Volume 9, Issue 3, pp 33-38
2. Viswanaath K, Lakshmi Sangeetha A, Lakshminath K, Lokeshwaran A S, 2018, "Internal Temperature Control of Automotive Vehicles", "Engineering Reports-Research Article", pp 87-94.
3. Murukesh, C, G. Arul Elango,2018,. "Multi-Algorithmic Finger Vein Authentication System Based on Score Level Fusion." Journal of Computational and Theoretical Nanoscience Volume 15 , pp.2304-2308.
4. Murukesh, C, G. Arul Elango,2018, "Multi-algorithmic palmprint authentication system based on score level fusion." International Journal on Smart Sensing and Intelligent Systems , Volume 11,Issue 1,pp. 1-11.
5. Chitra P,Murukesh C, 2018, "A Review on Hyper Spectral Imaging for Remote Sensing Applications" in International Journal for Research Trends and Innovation, Vol.3, Issue.9, pp.22-33.
6. Kandaswamy K V, Sarat Kumar Sahoo, 2018,"Harmonic Comparison of Three Phase Direct Matrix Converter for Reactive Load with Balance and Unbalance Supply Voltage", International Journal on Power Electronics Drives and Systems, Volume-9, No 1,pp 345-356.
7. Brijet Z, Sri Padmaradhan M B, Vigneshwaran S, Mohan Krishna P B, 2018,"Fuzzy Based PID for Calciner Temperature Control",International Journal of Pure and Applied Mathematics,Volume 119 Issue 12, pp 14563-14570.

2019:

1. Lakshmi Sangeetha A, Bharathi N, Balaji Ganesh A, Kalai Chitra G, 2019, " Internet mediated automation of a cascade control system-an Engineering laboratory experiment", International Journal of Electrical Engineering & Education, DOI: 10.1177/0020720919846819, pp 1-8
2. Pradeep Raja L , R.Karthikeyan R , Keshavraj P*, Lakshmi Sangeetha A, 2019, "One touch tracking system with integrated maps", Journal of Science, Technology and Development, Volume 8, Issue 7, pp 14-18
3. Murukesh C,Rayavel R, 2019"Predicting the severity of blood vessel tissue damage in retinal images using support vector machine classifier" AIP Conference Proceedings, , pp.1-10. doi.org/10.1063/1.5112269
4. Lavanya R,Murukesh C, 2019,"A Review Paper on Smart Controller using Efficient Method for Reducing Energy Consumption In HVAC" in Journal of Applied Science and Computations, Vol.6, Issue.5, pp.1159-1166.
5. S. Anusankari, A. Balaji Ganesh, R. Subasri & N. Deepa, 2019, "Optical determination of carbon dioxide and oxygen by a fluorescent membrane to evaluate the freshness of meat products" in Instrumentation Science & Technology, Vol.47, Issue. 6, pp. 640-665.
6. Brijet Z, Suresh T, Gunasekhar P, Jasti Tejas, 2019, "Glove Sensor with AI system for Deaf and Blind People to Ease of Communication", International Journal of Innovative Technology and Exploring Engineering, Volume-9 Issue-1S, pp 390-394

2021:

1. Senthilnathan Ramasubbu, Vijaya Lakshmi R, Lakshmi Priya S, Prakash R, Balaji Ganesh A, Lakshmi Sangeetha A, Senthil Kumar Thangavel, 2021,"Analysis of Sleep

Apnea Considering Biosignals from Peripheral Capillary Oxygen Saturation Level and Electrocardiogram Data”, Springer Lecture notes on Advances in Intelligent Systems and Computing, volume 1272, pp 785-796

2. Kandaswamy K V, 2021, “High gain super lift converters for multi node connected low output transducers”, Advances in Automation, Signal Processing, Instrumentation, and Control, Springer Lecture notes, February 2021
3. Brijet Z, Bharathi N, 2021, “Design of type-2 fuzzy logic controller for fluid catalytic cracking unit”, International Journal of Manufacturing Technology and Management, Vol.35 No.1, pp 51-68
4. Suresh T, Brijet Z, Blesslin Sheeba T, “A Chaotic Multi Verse Harris Hawks optimization (CMV-HHO) algorithm based deep kernel optimized machine learning classifier for medical diagnosis”, Journal of Biomedical Signal Processing and Control, Volume 70, pp 103034

2. MOU

S.No.	Name of the Industry with Details	Date on which MoU signed	Scope of the MoU	Validity Period
1	Sree Technologies a Franchisee of Prolific systems and technologies Pvt Ltd, Chennai	22/07/2021	Summer Internship, Student Project and Training, Core Placement	Life time

3. Patent

S.NO	Title of the Patent	Application Number	Filing Date	Status
1	Autonomous Unmanned Aerial Vehicle with vertical Take off and Landing Mechanism	202141010779	15/03/2021	Provisionally Registration
2	Augmented reality and Internet of Things (IoT) supported warehouse food grains quality monitoring system	201841024729	03/07/2018	Published date 10/01/2020 Reply filed. Application in Amended examination
3	Portable opto-electronic sensing system for the detection of food freshness	201841037491	20/11/2018	Published on 10/04/2020 Awaiting for examination report

4. Funded research projects

S.No	Title of the Project	File Number	Investigators	Sanctioned on	Funding Agency	Amount Sanctioned	Project period
1	Augmented reality and Internet of Things (IoT) supported ware house food grains quality monitoring system	D.O. No., DST/STTP/Tamilnadu/29/2017-18 (G)	A. Balaji Ganesh (PI) & A. Lakshmi Sangeetha (Co-PI)	16/03/2018	DST-STTP Scheme	14.07 Lakhs	2 Years
2	Industrial Automation and Control using PLC, SCADA, Embedded Controller and IIOT.	9-153/RFID/MODROB/POLICY-1/05/2019	Dr.Z.Brijet	01/05/2019	AICTE-MODROB	19.13 Lakhs	2 Years
3	Fishing en Bloc using Vibration Specific to Acoustic Frequency	TNSCST / SPS/AR/2019 - 2020(EE E084)	Ms.S.Padma	10/09/2019	TNSCST	0.075 Lakhs	1 Year
4	Wireless body sensor network supported Sleep Disorder Analysis system	D.O. No., SEED/TIDE/2018/20	A. Balaji Ganesh (PI) & A. Lakshmi Sangeetha (Co-PI)	07/03/2018	DST TIDE Scheme	29.30 Lakhs	3 Years
5	OptMe'- An opto-electronic sensing system for the detection of freshness in meat products	File No.: DST/TDT/DDP-34/2018 (G)	A. Balaji Ganesh (PI) & A. Lakshmi Sangeetha (Co-PI)	23/08/2019	DST DDP Scheme	24.01 Lakhs	2 Years
6	Wireless postural activity monitoring	File No.: DST/SATYAM/2018/20	A. Balaji Ganesh (PI) & A. Lakshmi	08/03/2021	DST-SATYAM	31.72 Lakhs	2 Years

	system-A therapeutic aid		Sangeetha (Co-PI)				
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5. Consultancy work

S.No	Name of the Company	Work Title	Sanctioned on	Amount Received	Project period
1	Smarta Solutions, Ltd., Chennai	opti pvt Modelling and Identification cement mill Process using MODEL ID	2018-2019	only services given	1 year