

Name	Dr. A. MURUGESAN			
Department	BME			
Qualification	M.E., PhD			
Area of Specialization	Control & Instrumentation			
Date of Joining (KSR IET)	03-12-2012			
Experience (as on 01.02.2022)	Teaching: 17 Years 6 Months	Industry: 00	Others: 00	
Number of Papers Published	National Journals: 00 International Journals: 10			
Number of Papers Presented	National Conferences: 05 International Conferences : 09			
Books Published	National Publisher : 00		International publisher : 00	
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Research Information Links/ID



Google Scholar:

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Publications (International Journals)

1. P. Madasamy, Rajesh Verma, A. Rameshbabu, A. Murugesan, R. Umamageswari, Josiah Lange Munda, C. Bharatiraja, Lucian Mihet-Popa, “Neutral Point Clamped Transformer-Less Multilevel Converter for Grid-Connected Photovoltaic System”, **Electronics**, Vol. 10, 977, 2021

2. Dr. A. Murugesan, K. Meenatchi, Touch Free Intelligent Measuring Tap, **Suraj Punj Journal For Multidisciplinary Research**, Vol. 11, Issue 4, 283-289, 2021
3. K. Meenatchi, Dr. A. Murugesan, Wireless Enabled Band as an Alternating System for Patient Supervisor, **Suraj Punj Journal For Multidisciplinary Research**, Vol. 11, Issue 4, 299-306, 2021
4. Y.Kalimuthu, Dr. A. Murugesan, Solar Powered Groundnut Separator Machine, **Suraj Punj Journal For Multidisciplinary Research**, Vol. 11, Issue 4, 316-323, 2021
5. Y.Kalimuthu, P.Premkumar, Dr. A. Murugesan, Semi-Autonomous Vehicle with Traffic Sign Detection, **Suraj Punj Journal For Multidisciplinary Research**, Vol. 11, Issue 4, 324-330, 2021
6. Dr.R.Jeyabharath, Dr. P.Veena, Dr.A.Murugesan, Kalimuthu.Y, AI Powered Bot with Control Monitoring System for Baby Care, **Suraj Punj Journal For Multidisciplinary Research**, Vol. 11, Issue 4, 307-315, 2021
7. Dr. P.Veena, Dr.R.Jeyabharath, Dr.A.Murugesan, Kalimuthu.Y, Automatic Food Supply and Sick Broiler Chicken Identification In Poultry Farming Using Image Processing, **Suraj Punj Journal For Multidisciplinary Research**, Vol. 11, Issue 4, 276-282, 2021
8. R Ilakkiya., A Murugesan , “Smart Agriculture Irrigation System Using Raspberry Pi, **South Asian Journal of Engineering and Technology**, Vol. 8, no. 1, pp.19-24
9. Murugesan.A, Dr.Jeyabharath.R, “Performance Analysis and Speed Regulation Estimation of SR Motor Using FT-ANN Controller with Steady State Stability and FFT Analysis”, **Middle-East Journal of Scientific Research**, Vol. 24, No.12, pp.3667-3677, 2016.
10. P Dhivya, A Murugesan, “Intelligent car braking system with collision avoidance and ABS”, **International Journal of Computer Applications**, 0975 – 8887, 2015,

Publications (National Journals)

NIL

Publications (International Conferences)

1. Dr. A. Murugesan, IoT Based Touch Free Intelligent Liquid Dispenser with Measurement, **International Conference on Engineering, Technology and Science**, Muthayammal College of Engineering, 2021
2. Dr. A. Murugesan Touch Free Intelligent Measuring Tap, **International Conference on Challenges and Opportunities for Innovation in New Normal Scenario**, 978-81-948668-3-1, K S R Institute For Engineering and Technology, 2021
3. Murugesan A Intelligent Battery Management System for Electrical Vehicle, **International Conference on Engineering and Technology ICET-2020**, Selvam College of Technology
4. Murugasen A, Smart Agriculture Irrigation System using Raspberry PI **International Conference on Recent Innovations in Engineering Technology and Management (ICRIETM-2019)**, Nandha Engineering College, 2019
5. Murugesan A, Alternation and Surveillance in Bore Well Rig Hydraulic Oil Cooling System **International Conference on Innovations in Science, Engineering and Technology for Sustainable Development (ISETSD – 2018)**, Muthayammal Engineering College, 2018

6. Murugesan A, Boiler Monitoring And Controlling In Power Plant Using Internet of Things [International Conference on Recent Trends in Engineering and Technology](#), K S R Institute for Engineering and Technology, 2016
7. Smart Helmet For Safe Ride Using Raspberry Pi, [International Conference on Recent Trends in Engineering and Technology](#), K S R Institute for Engineering and Technology, 2016
8. Murugesan, A &Jeyabharath, R, “Speed regulation and control of SR Motor using PID controller”, [ICETS’15, An International Conference](#), Muthayammal College of Engineering, Rasipuram. March 5th and 6th, 2015.
9. Murugesan, A &Jeyabharath, R, “Modeling and design of SR Motor speed control with FLC using state space technique”, [ICETS’14, An International Conference](#), Muthayammal College of Engineering, Rasipuram. Feb 10th and 11th, 2014.

Publications (National Conferences)

1. Murugesan A, IoT Based Group Attendance System, [National Conference on Emerging Trends in Engineering and Technology](#), Nandha College of Technology, 2019
2. Murugesan, A, “Fuzzy Logic Controller paper Machine Moisture controller” and “Fuzzy based two tank level control system”, [INSTRUVISION – 2K8 National Conference](#), Kamaraj College of Engineering & Technology, Virudhunagar.
3. Murugesan, A, “Medical Image Segmentation by Normalised Cut method”, [ETICT – 2006 National Conference](#), Sethu Institute of Technology, Kariapatti.
4. Murugesan, A, “Speech Signal Analysis & Recognition”, [RAIN – 2005 National Conference](#), Noorul Islam College of Engineering, Thuckalay.
5. Murugesan, A, “Speech Signal Analysis & Recognition”, [NCICCA – 2005 National Conference](#), Arulmigu Kalasalingam College of Engineering, Krishnankoil.

Books /Instruction materials/monograms published

S.No	Title of the Book	Author(s)	Name & Address of the Publisher	Year of Publishing
1.	Basic Electrical, Electronics and Instrumentation Engineering (monogram)	Dr. A. Murugesan Department of EEE	K S R Institute for Engineering and Technology	2019

Funded Research Projects

S.No	Title of the Project	Name of the Funding Agency	Amount Sanctioned (Rs.)	Role
1.	Modernization of Control and Instrumentation Lab with Virtual Instruments (MODROB)	AICTE	13,12,034	Subject Expert

Funded Programme Organized (Seminar/Conference/Workshop/FDP/STTP/Other)

S. No.	Date		Topic / Title	Funding agency and Amount Sanctioned
	From	To		
1.	-	-	-	-

Consultancy Activities (Industry)

S.No	Title of the Project	Name of the Company
1.	-	-

Training Offered

- Hands on Training on Multisim

Membership in Professional Bodies

- Indian Society for Technical Education (ISTE) - Life Member (LM 47833)
- Institute of Engineers India (IE(I)) - Member (M-1596815)