

Name	BRINDHA M			
Department	BME			
Qualification	M.E			
Area of Specialization	APPLIED ELECTRONICS			
Date of Joining (KSR IET)	04-08-2021			
Experience (as on 01.06.2020)	Teaching:10 Y	Industry:00	Others: 00	
Number of Papers Published	National Journals	02	International Journals	06
Number of Papers Presented	National Conferences : 07		International Conferences : 09	
Books Published	National Publisher	02	International publisher	00
Contact Details	EMail:brindha_bme@ksriet.ac.in			Mobile:9345705701

Publications

- Published paper titled “**Transport credential device for the visually challenged people using RFID** ” in **Journal of Critical Reviews**, Volume 07, Issue 12, 2020, ISSN no: 2394-5125, Page no: 1407-1412, September 2020
- Published paper titled “**Smart shopping trolley** ” in **International Journal for research in applied science & Engineering Technology**, Volume 06, Issue 02, 2020, ISSN no: 2321-9653, Page no: 1651-1656, February 2018
- Published paper titled “**Study of Face Authentication using Euclidean and Mahalanobis Distance classification Method**” in **International Journal of Modern trends in Engineering and Science**, Volume 04, Issue 02, 2017, ISSN no: 2348-3121, Page no: 30-34, January 2017
- Published a paper titled, ”**Effects of PID Controller to reduce the Maximum Peak Overshoot based on closed Loop Tuning Methods**” in the **International Journal of Applied Engineering Research**, Volume 10, Issue 5, 2015

- Published a paper titled, "**Automated Initial Ignition of a furnace by using cost Effective Hydrogen from flue gases**" in the **International Journal of Applied Engineering Research**, Volume 10, Issue 1, 2015
- Published a paper titled, "**Estimation of ANFIS parameters for a non linear system using extended Kalman Filter & Particle Swarm Optimization**" in the **International Journal of Applied Engineering and Research**, Volume 09, 2014
- Published a paper titled, "**A Comparative Study of Face Authentication using Euclidean and Mahalanobis Distance Classification Method**" in the **International Journal of Emerging Technology and Advanced Engineering**, Volume 3, Issue 1, January 2013
- Published a paper titled, "**Evaluation of Face Recognition using Principle Component Analysis and Two Dimensional Component Analysis**" in the **Journal of Energy Storage and Conversion**, Volume 3, Number 2, pp. 211-223, July-December 2012

National /International Conference

- Presented paper titled "An Investigation of a Novel Triangle – shaped Sierpinski Microstrip Patch Antenna for Implantable Biomedical Applications", "ICECA", at RVS Technical Campus, Coimbatore, on 22.11.2023 and 23.11.2023
- Presented paper titled "M-Learning android application for autistic children", "ICRAET2K19", at Sri Krishna College of Engineering and Technology, Coimbatore, on 08.02.2019 and 09.02.2019
- Presented paper titled "Centrifuge control system in sugar washing process using PLC", "ICTIMES", at Malla Reddy College of Engineering, Hyderabad on 28.12.2018 and 29.12.2018
- Presented paper titled "IOT based pressure process system", "International Conference on Electrical Sciences", at SNS College of Technology, Coimbatore, on 09.03.2017 and 10.03.2017
- Presented paper titled "Optimization of Energy Efficient Protocols using Wireless Sensor Networks", International Conference on Mathematical Computer Engineering (ICMCE) – 2016 at VIT University, Chennai on 16.12.2016 and 17.12.2016
- Presented a Paper titled, "Evaluation of Energy Efficient routing in wireless Multimedia Sensor Networks" in the IEEE Sponsored International Conference on Electronics and Communication Systems(ICECS) at Karpagam College of Engineering, Coimbatore on 26.02.15 & 27.02.15
- Presented a Paper titled, "A Survey on Energy Efficient routing in wireless multimedia sensor networks" in the International conference on Electrical, Instrumentation and communication Engineering at Sri Krishna College of Technology, Coimbatore on 02.01.15 & 03.01.15

- Presented a Paper titled, “Starting Process of a Furnace in a Caustic Soda Plant using PLC” in the National Conference on Instrumentation and control Engineering at NSS College of Engineering, Palakkad on 27.06.14 & 28.06.14
- Presented a Paper titled, “Automated PAMBAN Cantilever Railway Bridge opening System using Redundant PLC” in the International Conference on Intelligent Engineering System at EASA College of Engineering and Technology ,Coimbatore on 03.04.2014 & 04.04.2014
- Presented a Paper titled, “Detection of Atrial Fibrillation using Smart phone” in the National Conference on Cutting Edge Technologies in Power Conversion and Industrial Drives at Bannari Amman Institute of Technology, Sathyamangalam on 21.02.2014&22.02.2014
- Presented a Paper titled, “Revolution by Nano Technology in Power Storage” in the National Conference on Cutting Edge Technologies in Power Conversion and Industrial Drives at Bannari Amman Institute of Technology, Sathyamangalam on 21.02.2014 & 22.02.2014
- Presented a Paper titled, ”Energy Efficient Routing in Wireless Multimedia Sensor Networks”, in the International Conference on Science and Innovative Engineering Organized by Organization of Science and Innovative Engineering & Technology, Chennai on 06.04.2013
- Participated in the National Conference on “Signals , Systems and Security -2012” at Bannari Amman Institute of Technology, Sathyamangalam on 23.02.2013&24.02.13
- Presented a Paper titled, ”Face Recognition using Two Dimensional Principle Component Analysis and Extreme Learning Machine”, in the International Conference on Innovative Research in Engineering and Technology at Park College of Engineering and Technology , Coimbatore on 03.01.2013-05.01.2013
- Presented a Paper titled, “Evaluation of Face Recognition using Principle Component Analysis and Two Dimensional Principle Component Analysis” in the National Conference on Frontiers in Applied Sciences and Computer Technology at National Institute of Technology , Trichy on 06.12.12 & 07.12.12
- Presented a Paper titled, “Automatic Face Recognition Using Color Based Segmentation” in the National Conference on NCETCIT-12 at Sai Ram College of Engineering, Chennai on 01.03.12 & 02.03.12
- Presented a Paper titled, “Stream Soil Moisture Estimation by GPS Signals” in the National Conference on Intelligent Electrical Systems at Maha College of Engineering, Salem on 24.04.2009 & 25.04.2009

Patent / Copy Right / Technology transferred

S.No.	Year	Title of the Patent / Copy Right / Technology transferred	Author(s)	Author(s) Status (Filed /Granted)
1.	2023	Exploring the Challenges and Opportunities of Internet of Things and Data Science in Marketing 4.0	Dr.Latika Dnyanshwar Gaikwad Mrs.M.Brindha Dr.Bajirao Vilasrao Chalukya	Filed
2.	2023	Data Centric Techniques to Enhance Machine Learning performance in Quantum Information Science	Dr.Jaidev Kumar Madhuri Pulavarthi Mrs.M.Brindha	Filed

Books /Instruction materials/monograms published

S.No	Title of the Book	Author(s)	Name & Address of the Publisher	Year of Publishing
1.	Transducer Engineering	Mr.K.Sambasivarao M.Brindha	Lambert Academic Publishing	2020
2.	IoT Based Intelligent Sanitary Napkin Disposer	Mr.K.Sambasivarao M.Brindha	Lambert Academic Publishing	2019
3.	Understanding Human anatomy and physiology	Dr.R.Prabu Mr.B.B.Sangameswaran Mrs.T.Yamunarani Mrs.M.Brindha	Cosmas Scientific Publications	2023

Achievement

- Received award from Texas Instruments for making the highest number of students to register for Mooc – Embedded system design system on NPTEL, January 2021

Certification course

- Completed NPTEL course on “Introduction to Internet of Things” with 96% (Elite)
- Completed NPTEL course on “Learning Analytic Tools ” with 70%(Elite)
- Completed courses on AI for Everyone, Augmented reality and AR core and Programming for Everybody (Getting Started with Python) in course era