



Dr. T. Baldwin Immanuel, M.E., Ph.D
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Dr. T. Baldwin Immanuel, Associate Professor in Electrical and Electronics Engineering has 15 years of teaching experience in various Engineering Colleges. He received his B.E. in Electrical and Electronics Engineering from Bharathiar University in the year 2002, M.E. in Power Electronics and Drives from Anna University in the year 2006 and subsequently obtained his Ph.D. in Electrical and Electronics Engineering from St. Peter's University in the year 2018. He has authored a book on Basic Electrical and Electronics Engineering. He has received various recognitions that includes Best Faculty Award, Outstanding Educator Award, Best Technical Consultant Award and Reviewer Award. He has membership in technical society such as ISTE, ISRD, IAENG, IAOE, IRED, IFERP, TERA, IAAC, SESI & IARA. He has published more than 20 papers in referred International & National Journals and more than 10 in International & National conferences. In addition to his credentials, he has published a patent and has chaired sessions in International conference.

AWARDS AND REWARDS RECEIVED

- ***Reviewer Award*** received from concurrency and computation practice and experience International Scientist Award 2020 on Engineering, Science and Medicine during 20 & 21 November 2020
- ***Best Technical Consultant***, Award received from Lamda Instruments for the year 2019.
- ***Best Faculty Award***, Award received from AMET University for the month of December 2019
- ***I2OR Award - Outstanding Educator Award 2018***, Recognition received from International Institute of Organized Research.

PATENT PUBLISHED

- *Patent was published under the title “Underwater Ship Security System” on 04.02.2022.*

FACULTY DEVELOPMENT PROGRAM ATTENDED

1. Five Days Faculty Development Programme on “*Electric Vehicles, Energy Storage and Smart Grid Interaction*”, Organized by Sri Sairam Institute of Technology during 13.12.2021 to 17.12.2021.
2. Two Days Faculty Development Programme on “*Renewable Energy Systems*”, Organized by Jerusalem College of Engineering during 29.09.2021 to 30.09.2021.
3. ATAL Sponsored Five Days Faculty Development Programme on “*Future Perspective of Semiconductor Devices*”, Organized by Kalasalingam Academy of Research and Education during 21.06.2021 to 25.06.2021.
4. ATAL Sponsored Five Days Faculty Development Programme on “*Blended Learning and Flipped Classroom*”, Organized by Vellore Institute of Technology during 18.01.2021 to 22.01.2021.
5. ATAL Sponsored Five Days Faculty Development Programme on “*Robotics*”, Organized by KCG College of Technology during 08.12.2020 to 12.12.2020.
6. ATAL Sponsored Five Days Faculty Development Programme on “*Wearable Devices*”, Organized by Kongu Engineering College during 14.09.2020 to 18.09.2020.
7. ATAL Sponsored Five Days Faculty Development Programme on “*Sensors Technology*”, Organized by St. Joseph’s Institute of Technology during 17.08.2020 to 21.08.2020.
8. Online Faculty Development Programme on “*Conduct of Continuous Internal Assessment Test through Online*”, Organized by AMET University on 22.09.2020.
9. Online Faculty Development Programme on “*Effective online Teaching Learning Methodology*”, Organized by AMET University on 10.08.2020.
10. Six Days Faculty Development Programme on “*Research Challenges and Innovations in Renewable Energy System*”, Organized by AVIT during 11.05.2020 to 16.05.2020.

NATIONAL/INTERNATIONAL CONFERENCE PRESENTED

1. Presented a paper titled "*Performance analysis of single stage inverter employing fuzzy controller*" on International Conference on Sustainable Innovation in Science & Technology (ICSIST'21) at G H Raisonni University, Saikheda, MP on 26.02.2021 to 27.02.2021.
2. Presented a paper titled "*Design of Robotic Arm for Ship Maintenance*" on AICTE sponsored International E-Conference on Electrical, Communication and Computing at Tagore Engineering College, Chennai, Tamilnadu on 20.08.2020 to 21.08.2020.
3. Presented a paper titled "*A novel PV Powered Standardized Irrigation System Governed by Soil Moisture Sensor*" on International Conference on Advanced Technologies in Power and Robotics Engineering at Arasu Engineering College, Kumbakonam, Tamilnadu on 20.02.2020 to 21.02.2020.
4. Presented a paper titled "*Cost Effective Intelligent Irrigation System*" on International Conference on Innovation and Challenges in Global Business at The New Prince College, Chennai, Tamilnadu on 03.03.2020.

JOURNAL PUBLICATIONS

1. T.Baldwin Immanuel, P.Rathnavel, A.Suresh, K.Manikandan "Inter Combining Quazi Z Source Network with Matrix Converter for Wind Powered Distribution System" on International Journal of Aquatic Science, December 2021, Volume 12, Issue 3, ISSN: 2008-8019.
2. Aagash.G, Yogesh Kumar.A, Vignesh.K, Brijesh.C.R, Dr.T.Baldwin Immanuel "*Design of robotic arm for ship surface cleaning, painting and monitoring*" on International Journal of Innovative research in science, engineering and technology, December 2020, Volume 9, Issue 12, ISSN: 2319-8753, Impact factor: 7.512.
3. T.Baldwin Immanuel, P.Rathnavel "PV powered Standardised Irrigation system using Soil Moisture Sensor" on IEEE Transaction, 2020, Volume 20, Issue 12.
4. W. R. Thulasi Brindha, T.Baldwin Immanuel "Modified PMSG System using Trans Z Source Network for Grid Connected UPFC System" on International Journal of Engineering and Advanced Technology, December 2019, Volume 9, Issue 2, ISSN: 2249-8958.
5. T.Baldwin Immanuel, P.Rathnavel, M.Rajavelan "PV Fed Seven-Level Inverter using Fuzzy Control Technique" on International Journal of Engineering and Advanced Technology, December 2019, Volume 9, Issue 2, ISSN: 2249-8958.

6. Rathnavel P, Baldwin Immanuel, Rayavel P “Road Tyre Friction Used to Generation of Electrification” on International Journal of Engineering and Advanced Technology, *December 2019, Volume 9, Issue 2, ISSN: 2249-8958.*
7. Rathnavel P, Baldwin Immanuel “Energy Efficient Light Monitoring and Control Architecture Using Embedded Systems” on International Journal of Recent Technology and Engineering, *January 2019, Volume 7, Issue 5S2, ISSN: 2277-3878.*

SESSION CHAIRED

- Session chaired for session titled “Data Mining / Text Mining II” in International Conference on Knowledge and System Engineering (KSE 2021), Bangkok, Thailand during 10th to 12th November 2021.

SEEDMONEY PROJECT

1. Design and Development of Security System for Fishermen Crossing frontier enhanced using Android Applications.

CONSULTANCY PROJECT

1. FPGA Based Closed loop V/F Control of three phase induction motor.
2. Design of Smart Lock System for Doors with special features using Wi - Fi Technology.