#### CURRICULUM VITAE

**Dr. E.A.Mohamed Ali**

**B.E.**(**Electrical** & **Electronics Engineering**),

**M.E.**(**Applied Electronics**),

**Ph.D.**(**Information** and **Communication Engineering**),

No.32,Rahmaniyapuram 5th Street,

Kadayanallur, Tenkasi –627 751.

E-mail : ea\_mdali2003@yahoo.go.in

Contact : +91 – 98426 71027

##### Objective

To enhance my professional skills, capabilities and knowledge in an organization which

recognizes the value of hard work and trusts me with responsibilities and challenges.

##### Educational Qualifications

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name of the Examina-**  **-tion / Degree** | **Specialization** | **Institution / University** | % Marks  /CGPA with  Class | **Month& Year of Passing** | **Mode of Study** |
| Ph.D. | Faculty of Information and Communication Engineering | National Engineering College,  Kovilpatti – 628 503.  (Research Centre) /  Anna University,  Chennai – 600 025. | - | OCT  2020 | Part-Time |
| M.E. | Applied Electronics | Mohamed Sathak Engineering College, Keelakkarai – 623 806. /  Madurai Kamaraj University,  Madurai – 625 021. | 76 %  FIRST CLASS WITH DISTINCTION | DEC  2001 | Regular |
| B.E. | Electrical and Electronics Engineering | National Engineering College,  Kovilpatti – 628 503. /  Manonmaniam Sundaranar University,  Tirunelveli – 627 012. | 75 %  FIRST CLASS | APR  2000 | Regular |
| M.Sc. | Computer Science | Alagappa University, Karaikudi | -- | Pursuing | Distance Education |
| PG Diploma | Human Resource Management | Alagappa University, Karaikudi | 74%  FIRST CLASS | MAY 2020 | Distance Education |
| H.S.C. | State Board, Tamil Nadu | Masood Thaikka Higher Secondary School,Kadayanallur – 627 751. | 82 %  FIRST CLASS | MAR  1996 | Regular |

**Teaching Experience in Engineering Colleges**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Institution Name** | **Position**  **/ Dept.** | **Duration** | | **Experience** | | |
| **From** | **To** | **Yrs.** | **Months** | **Days** |
| 1 | JP College of Engineering, Tenkasi – 627 852 | Assistant Professor  / ECE | 17.08.2021 | Till date  (As on 18.12.2022) | 01 | 04 | 01 |
| 2 | Nellai College of Engineering (Formerly National College of Engineering),  Tirunelveli – 627 151. | Associate Professor & Head / ECE | 01.01.2013 | 16.08.2021 | 08 | 07 | 15 |
| Assistant Professor  / ECE | 01.06.2007 | 31.12.2012 | 05 | 07 | -- |
| 3 | RVS College of Engineering and Technology,  Dindigul – 624 005. | Lecturer  / EEE | 28.08.2001 | 03.05.2007 | 05 | 08 | 05 |
| **Total Experience (Only in Engineering Colleges)** (As on **18.12.2022**) | | | | | **21** | **02** | **21** |

# Subjects Handled

**U.G. (B.E.)**

* Digital Signal Processing
* Digital Image Processing
* Electromagnetic Field Theory
* Control System Engineering
* Communication Engineering
* Analog and Digital Communication
* Digital Electronics
* Linear Integrated Circuits
* Microprocessors and Microcontrollers
* Advanced Microprocessor
* Embedded and Real Time Systems
* Medical Electronics
* Circuit Theory
* Electrical Machine Design
* Solid State Relay
* Mixed Signal IC Design

**P.G. (M.E.)**

* Advanced Microprocessors and Microcontrollers
* Embedded System
* Advanced Digital Signal Processing
* Soft Computing
* Wind Energy Conversion System
* Industrial Power System Analysis

###### Projects Guidance

* No. of B.E. Project Guidance : 28
* No. of M.E. Project Guidance : 05

###### Funded Projects

|  |  |  |  |
| --- | --- | --- | --- |
| **Funding agency** | **Proposal number** | **Title of project** | **Amount** |
| DST | TPN No.70778 | Science Skill Enhancing Outreach Programme for Rural Based School Children | 17.29  Lakh |
| DST | DST/SEED/TSP/STI/2021/509 | Investigation on Modernized Biogas Plants, Natural Health Products and Development of Indigenous Skilled Workers towards Socio-Economic Status Upliftment of ST Population in Palayamkottai and Tirunelveli Blocks of Tirunelveli District in Tamil Nadu State. | 1.21  Crores |
| TNSCST | --- | Design and Implementation of IoT based Smart Device for Women Safety System | 8  Thousand |

###### Funded Programmes

* Received ₹1, 56,541 for conducting one week FDP on "Analog Electronics" through NMEICT from MHRD, India.
* Received ₹74,750 for conducting one week FDP on "CMOS, Mixed Signal and Radio Frequency VLSI Design" through NMEICT from MHRD, India.

**Programmes Organized / Attended(for details Pl. refer Annexure 1 – Pg. No. 8 to 15)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Category** | **Conference** | **Workshop** | **Symposium** | **FDP** | **Training**  **Program** | **Seminar** | **Total** |
| Organized | 03 | 14 | 07 | 05 | -- | 36 | 65 |
| Attended | 30 | 35 | -- | 17 | 08 | 12 | 102 |

# Research Details

**Thesis Title** : Design and Analysis of Control Schemes for Improving the

Performance of PEM Fuel Cells.

**Citation**  : 45

**h Index** : 4

**i10 Index** : 1

**Google Scholar URL** : https://scholar.google.co.in/citations?user=09Bx- w0AAAAJ&hl=en

**ResearchGate URL** : <https://www.researchgate.net/profile/Mohamed_E_A>

**Scopus URL** : <https://www.scopus.com/authid/detail.uri?authorId=38361985800>

**Publication Details (for details Pl. refer Annexure 2 – Pg. No. 16 to 20)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Category** | | **Count** | **SCI/SCIE/Scopus Indexed** | **Total** |
| **Journals** | **International** | 17 | 13 | **17** |
| **National** | -- | -- |
| **Conferences** | **International** | 18 | -- | **30** |
| **National** | 12 | -- |

**Patent Published**

|  |  |
| --- | --- |
| **Patent -1** | |
| **Application Number** | 202241030489 |
| **Date of Filing** | 27/05/2022 |
| **Title of Invention** | A LoRa WAN Infrastructure based Smart Trash Bin Level and Hazardous Gas Nonengagement System |
| **Field of Invention** | Mechanical Engineering |
| **Publication Date** | 03/06/2022 |
| **Filed @** | Patent Office Chennai – Indian Patent |

|  |  |
| --- | --- |
| **Patent -2** | |
| **DE File Number** | 20 2022 102 758.7 |
| **Date of Filing** | 07/06/2022 |
| **Title of Invention** | A system for developing a fractal arc-shaped Ground antenna for SUB-7GHz applications |
| **Date of Approval** | 14/07/2022 |
| **Filed @** | German Patent and Trade Mark Office – Utility Model |

###### Membership in Professional Bodies

|  |  |  |
| --- | --- | --- |
| **Professional Bodies**  **/ Organization** | **Membership Details** | **Year of Enrollment** |
| I.S.T.E. | Life Member | 2004 |
| I.E.T. E | Life Member | 2013 |
| IAENG | Life Member | 2020 |
| CSTA | Life Member | 2021 |
| ICSES | Life Member | 2021 |
| SDIWC | Life Member | 2021 |

###### Achievements & Awards

* Received the “Best Faculty” award for outstanding performance in JP College of Engineering, Tenkasi during the academic year 2021-2022..
* Elite Grade in NPTEL eight-week course “Discrete Time Signal Processing” conducted by IIT Kharapur during January – March 2022.
* Silver-Elite Grade in NPTEL four-week course “Effective Writing” conducted by IIT Kharapur during January – March 2022.
* Silver-Elite Grade in NPTEL twelve-week course “Principles of Signals and Systems” conducted by IIT Kanpur during January – March 2022
* Best paper award for the paper “A 2x1 Wearable Periodical Array Antenna for IEEE Standards P802.11 Ay/D4. O Applications”, International Conference on Smart Technologies and Applications-2022 (ICSTA 2022), Ramco Institute of Technology, 11th & 12th March, 2022.
* Golden-Elite Grade in NPTEL eight-week course “Principles of Modern CDMA/MIMO/OFDM Wireless Communication” conducted by IIT Kanpur during August – October 2021.
* Got Silver-Elite Grade in NPTEL twelve-week course “Control Engineering” conducted by IIT Madras during July – October 2019.
* Received Best paper award for the paper “Detection of Digital Image Forgeries Applications” presented at National Level Embedded Conference NEC’14 conducted by Department of EEE, Regional Centre Anna University, Tirunelveli on 28th March 2014.
* Received the “Certificate of Excellence” award for outstanding performance in National College of Engineering, Tirunelveli during the academic year 2010-2011.

###### Acted as Judge / Technical Chair

* Acted as Judge for the National level Technical Symposiums Conducted by Department

of EEE & CSE National College of Engineering and Technology, Tirunelveli.

* Acted as Technical chair for a session in the International conference **ICCCET ’11** held

at National College of Engineering, Tirunelveli on March 2011.

###### Activities

* College ISO & NBA Coordinator
* Head of the Department
* Remote center coordinator for IIT Bombay workshops
* Preparation of Academic Calendar & Hall Plan
* College Time-table Coordinator
* SPOC Nalaiya Thiran Programme

###### Software Skills

* MATLAB
* SciLab
* Xilinx
* HFSS
* CST studio
* Python
* LabView

# Personal Details

Father’s Name : E.M.Abdul Gani

Date of Birth : 03.05.1979

Sex : Male

Marital Status : Married

Nationality & Religion (Caste) : Indian & Muslim (Lebbai)

PAN No. : AKLPM2869E

Aadhaar No. : 4490 9131 4788

Passport No. : U5077714

|  |  |
| --- | --- |
| Present Status (Official Address) | Present and **Permanent**  Residential **Address** |
| **Asisstant Professor**,  Department of Electronics & Communication Engineering,  JP College of Engineering,  Ayikudi, Tenkasi – 627 852.  Phone : 04633-292140.  Mobile :+91 – 98426 71027  Website : www.jpcoe.ac.in | 32,Rahumaniyapuram 5th Street,  Kadayanallur, Tenkasi – 627 751.  E-mail : ea\_mdali2003@yahoo.co.in  Contact  : +91 – 98426 71027,  +91 –63791 08545 |

**References**

|  |  |
| --- | --- |
| **Reference 1** | **Reference 2** |
| **Prof. Dr. A.Abudhahir, M.E.E., Ph.D.,**  Director,  Internal Quality Assurance Cell,  B.S.Abdul Rahman Crescent Institute of Science and Technology,  GST Road, Vandalur, Chennai 600 048.  Mobile No. : +91 – 73388 85678.  E-mail : [abudhahir@crescent.education](mailto:abudhahir@crescent.education) | **Dr. N.B.Balamurugan, M.E., Ph.D.,**  Associate Professor,  Department of ECE,  Thiagarajar College of Engineering  Madurai– 625 015,  Tamil Nadu.  Mobile No. : +91 – 98943 46320.  E-mail : [nbbalamurugan@tce.edu](mailto:nbbalamurugan@tce.edu) |

**Declaration**

## I hereby declare that the above mentioned particulars are true to the best of my knowledge

## and belief.

Place :Kadayanallur, Yours faithfully

Date :10/ 10/ 2022.

(E.A.Mohamed Ali)

**Annexure 1 – Details of Programmes Organized / Attended**

**Dr. E.A.MOHAMED ALI, B.E.(EEE), M.E.(AE),PGDHRM, Ph.D.(ICE),**

**Programmes Organized / Attended**

**Programmes Organized –Conference**

1. The first virtual national conference on “Advanced Technology in Intelligent Computing System” was organized by Department of CSE, JP College of Engineering, Tenkasi on 11.11.21.
2. Virtual International Conference VICRAEECCT 2022 was organized by Department of CSE, JP College of Engineering, Tenkasi on 20.05.2022.
3. A National Level Technical Conference “NCT 19” was organized by Department of ECE, National College of Engineering, Tirunelveli on 14.03.2019.

**Programmes Organized – Workshop**

1. Two days Python Hands-on workshop organized by the department of CSE, JP College of Engineering from 04.10.2021 to 05.10.2021.
2. One day Hands-on training on the topic “Cloud Computing” organized by the department of CSE, JP College of Engineering on 26.10.2021.
3. A Hands-on training on the topic “Data Base Creation using PostgreSQL organized by the department of CSE, JP College of Engineering on 03.11.21.
4. One month PHP Hands-on training was given to all first-year students on the topic “How to link web page” organized by the department of CSE, JP College of Engineering from 11.12.21.
5. Two-week Motherboard Assembly Hands-on training organized by the department of CSE, JP College of Engineering from 14.12.21.
6. One month Power point Presentation Hands-on training organized by the department of CSE, JP College of Engineering from 15.12.21.
7. Two-week Hands-on training on the topic “Customization and Installation of Operating System” organized by the department of CSE, JP College of Engineering from 17.03.22.
8. Three-month skill development programme organized by the department of CSE, JP College of Engineering from 01.04.2022.
9. Three days Hands-on training on “Arduino Based Embedded System Design”, National College of Engineering, Tirunelveli on 27.01.2020, 28.01.2020 and 03.02.2020.
10. One day State Level Workshop on “Microwave Components Design using CST Software” on 30.01.2020.
11. One day Workshop on “Hardware and Networking”, National College of Engineering, Tirunelveli from 12.10.2017.
12. One day Workshop on “Keil and Proteus Software”, National College of Engineering, Tirunelveli from 26.07.2016.
13. ISTE sponsored NPTEL Ten days Workshop on “Analog Electronics”, National College of Engineering, Tirunelveli from 04.06.2013 to 14.06.2013.
14. One day Workshop on “Keil and Proteus Software”, National College of Engineering, Tirunelveli from 19.10.2012.

**Programmes Organized –Symposium**

1. 10th National Level Technical Symposium – Techcruz 2022 was conducted by Department of CSE, JP College of Engineering on 04.05.22.
2. One day Intra Department Technical Symposium WHIMSICAL’18 conducted by Department of ECE, National College of Engineering, Tirunelveli on 13.02.2018.
3. One day Intra Department Non-Technical Symposium “Oratory Competition”, conducted by Department of ECE, National College of Engineering, Tirunelveli on 12.10.2017.
4. One day National Level Technical Symposium WHIMSICAL’17 conducted by Department of ECE, National College of Engineering, Tirunelveli on 17.03.2017.
5. One day Intra Department Technical Symposium WHIMSICAL’15 conducted by Department of ECE, National College of Engineering, Tirunelveli on 20.10.2015.
6. One day Intra Department Technical Symposium WHIMSICAL’12 conducted by Department of ECE, National College of Engineering, Tirunelveli on 17.10.2012.
7. One day Intra Department Technical Symposium WHIMSICAL’11 conducted by Department of ECE, National College of Engineering, Tirunelveli on 16.09.2011.

**Programmes Organized – FDP**

1. A webinar on the topic “Stress Management” conducted by Department of CSE, JP College of Engineering on 16.10.2021.
2. FDP on “MATLAB and Its Applications” for the faculty members of CSE department, JP College of Engineering on 04.01.22.
3. Training on the topic “Adobe Photoshop” ” conducted by Department of CSE, JP College of Engineering on 16.01.22
4. Two-week ISTE STTP for coordinators on “CMOS, Mixed Signal and Radio Frequency VLSI Design” Conducted by IIT-Kharagpur under National Mission on Education through ICT at National College of Engineering, Tirunelveli from 30.01.2017 to 04.02.2017.
5. Two weeks ISTE Workshop on “Analog Electronics”, Conducted by IIT-Kharagpur under National Mission on Education through ICT at National College of Engineering, Tirunelveli from 04.06.2013 to 14.06.2013.

**Programmes Organized – Seminar**

1. A webinar on the topic “Futuristic Aspects of Cloud” conducted by Department of CSE, JP College of Engineering on 06.09.2021.
2. A webinar on the topic “Introduction to Virtual Reality and Augmented Reality” conducted by Department of CSE, JP College of Engineering on 07.09.2021.
3. A webinar on the topic “How to run a program for object-oriented analysis and design Lab” conducted by Department of CSE, JP College of Engineering on 15.09.2021.
4. A webinar on the topic “Service Oriented Architecture” conducted by Department of CSE, JP College of Engineering on 21.09.2021.
5. Skill Rack Demo Presentation conducted by Department of CSE, JP College of Engineering on 13.10.2021.
6. Motivation talks on the topic "Skills required to get a job in IT sector" conducted by Department of CSE, JP College of Engineering on 21.09.2021.
7. A motivational talk given by Dr.M.Rajkumar, Principal conducted by Department of CSE, JP College of Engineering on 10.11.21.
8. Guest Lecture on “Cloud Computing” conducted by Department of CSE, JP College of Engineering on 09.12.21.
9. A webinar on the topic “Data warehousing and Data Mining” conducted by Department of CSE, JP College of Engineering on 25.01.22.
10. A webinar on the topic “Python and Data Science” conducted by Department of CSE, JP College of Engineering on 27.01.22.
11. A webinar on the topic “Cloud Computing” conducted by Department of CSE, JP College of Engineering on 28.01.22.
12. A webinar on the topic “Basics of Git using Simple Web App” conducted by Department of CSE, JP College of Engineering on 01.03.22.
13. A webinar on the topic “Advanced Python Programming” conducted by Department of CSE, JP College of Engineering on 16.03.22.
14. A webinar on the topic “Rapid IoT System Design using Arduino” conducted by Department of CSE, JP College of Engineering on 23.03.22.
15. A Seminar on “Advanced Java Programming” conducted by Department of CSE, JP College of Engineering on 26.03.22.
16. A motivation talk given by Mr. Vijayakumar, Vice President, ADF Data Science, Chennai which is organized by Department of CSE, JP College of Engineering on 06.04.22.
17. Mr.Narasimma Perumal, Vice President, Jiji Technologies, Tirunelveli gave a special motivational talk to shortlisted students which is organized Department of CSE, JP College of Engineering on 06.05.2022.
18. A webinar on the topic “Intermediate code generation and code optimisation” conducted by Department of CSE, JP College of Engineering on 13.5.22.
19. One day webinar on “How to Learn Better and Faster”, Nellai College of Engineering, Tirunelveli on 22.05.2021.
20. One day webinar on “College to Corporate (C2C)”, Nellai College of Engineering, Tirunelveli on 24.04.2021.
21. One day webinar on “The Role of The Electronics Engineers in Biomedical Instrumentation Field”, Nellai College of Engineering, Tirunelveli on 17.04.2021.
22. One day webinar on “Electronic Media & Cyber Security”, Nellai College of Engineering, Tirunelveli on 03.10.2020.
23. One day webinar on “Scope of Digital Marketing”, Nellai College of Engineering, Tirunelveli on 04.06.2020.
24. One day webinar on “Study of Antenna Design and Analysis of Simulated Results”, Nellai College of Engineering, Tirunelveli on 21.05.2020.
25. One day Seminar on “How to face for the competitive exam”, National College of Engineering, Tirunelveli, September 2018.
26. One day Seminar on “Cyber Security”, National College of Engineering, Tirunelveli, August 2018.
27. One day Seminar on “Embedded Systems”, National College of Engineering, Tirunelveli, January 2018.
28. One day Seminar on “My Vision - Corruption Free India”, National College of Engineering, Tirunelveli, October 2017.
29. One day Seminar on “IoT Vs Big Data”, National College of Engineering, Tirunelveli, March 2017.
30. One day Seminar on “Internet of Things (IoT)”, National College of Engineering, Tirunelveli, March 2017.
31. One day Seminar on “PLC program”, National College of Engineering, Tirunelveli, February 2016.
32. One day Seminar on “A Perspective on Career Guidance”, National College of Engineering, Tirunelveli, July 2015.
33. One day Seminar on “Recent Trends in VLSI Technologies”, National College of Engineering, Tirunelveli, August 2010.
34. One day Seminar on “Career Perspective Guidance”, National College of Engineering, Tirunelveli, August 2012.
35. One day Seminar on “Embedded Systems”, National College of Engineering, Tirunelveli, March 2012.
36. One day Seminar on “Recent Trends in VLSI Technologies”, National College of Engineering, Tirunelveli, August 2010.

**Programmes Attended– Workshops**

1. Placement guidelines programme conducted by Department of CSE, JP College of Engineering on 19.08.2021, 23.08.2021, 24.08.2021and 26.08.2021.
2. Placement training to solve the quantitative aptitude on the topic “Time and Work” conducted by Department of CSE, JP College of Engineering on 27-8-21.
3. Placement training on the topic “Exploring C Programming” on 31-08-21.
4. Placement Training for the preparation of interview in Strategic Solution Company, Chennai conducted by Department of CSE, JP College of Engineering on 01.09.2021.
5. Placement Training on “How to apply the job to the reputed companies and internship” conducted by Department of CSE, JP College of Engineering on 02.09.2021
6. Placement training on the topic “Basics of SQL Programming” conducted by Department of CSE, JP College of Engineering on 03.09.2021.
7. Placement training on self-introduction conducted by Department of CSE, JP College of Engineering on 04.09.2021.
8. Group Discussion in the topic of “Teamwork Vs Individual work” conducted by Department of CSE, JP College of Engineering on 22.09.2021.
9. Quantitative Aptitude Training for dream batch students conducted by Department of CSE, JP College of Engineering from 01.10.2021 to 06.10.2021.
10. Quantitative Aptitude Training for dream batch students conducted by Department of CSE, JP College of Engineering from 01.10.2021 to 03.10.2021.
11. Three days training program in C language coding for Zoho Corporation Interview conducted by Department of CSE, JP College of Engineering from 20.10.2021 To 22.10.2021.
12. Coding contest in C language conducted by Department of CSE, JP College of Engineering on 25.10.2021.
13. Hands-on training for programming in python language conducted by Department of CSE, JP College of Engineering on 02.03.22.
14. A Career guidance conducted by Mr.Radhakrishnan of H and M Pvt Ltd Bangalore conducted by Department of CSE, JP College of Engineering on 26.03.22.
15. Zoho placement was conducted by Mr.Rajendran Subramanian B.E., M.Tech (IIT-Kanpur) conducted by Department of CSE, JP College of Engineering on 09.04.22.
16. Three days online Workshop on “Research Methodology” organized by REST Society for Research International, Krishnagiri from 12.04.2020 to 14.04.2020.
17. Four days online Workshop on “An Effective Research Paper Writing Skill” organized by Bhagwan Mahavir University, Surat, Gujarat from 13.04.2020 to 16.04.2020.
18. Three days on-line Workshop on “Multi Criteria Decision Making (MCDM)” organized by REST Society for Research International, Krishnagiri from 23.04.2020 to 25.04.2020.
19. One day Workshop on “Metamaterial Antenna – Design and Analysis “, at K.Ramakrishnan College of Technology, Tiruchy on 24.01.2019.
20. One day Workshop on “Software Defined Radio and MSO “, at K.L.N College of Engineering, Madurai on 11.01.2019.
21. One day Workshop on “Android Application Development “, at National College of Engineering, Tirunelveli on 01.10.2016.
22. One day Workshop on “Soft Computing Techniques and its Applications “, at National College of Engineering, Tirunelveli on 05.03.2016.
23. Two days Workshop on “Low Power VLSI, at Pantech ProEd Pvt Ltd., Tirunelveli on 25.06.2015 & 26.06.2015.
24. Two weeks ISTE STTP on “Introduction to Design of Algorithms”, by IIT Bombay at National College of Engineering from 27.04.2015 to 30.05.2015.
25. Two weeks ISTE Workshop on “Control Systems”, Conducted by IIT Kharagpur at National College of Engineering, Tirunelveli from 02.12.2014 to 12.12.2014.
26. Two weeks ISTE Workshop on “Computer Programming”, Conducted by IIT Bombay at National College of Engineering, Tirunelveli from 20.05.2014 to 21.06.2014.
27. Two weeks ISTE Workshop on “Signals & Systems”, Conducted by IIT Kharagpur at National College of Engineering, Tirunelveli from 02.01.2014 to 12.01.2014.
28. One-week ISTE Workshop for coordinators on “Analog Electronics”, IIT Kharagpur, form 01.04.2013 to 05.04.2013.
29. Two weeks ISTE Workshop on “Engineering Thermodynamics”, National College of Engineering, Tirunelveli from 11.12.2012 to 21.12.2012.
30. Two days ISTE Workshop on “Aakash for Education”, Conducted by IIT Bombay at National College of Engineering, Tirunelveli on 10 & 11.11.2012.
31. One day Workshop on “NPTEL”, National College of Engineering, Tirunelveli on 05.10.2012.
32. Five days Workshop on “Mission 10x – Faculty Empowerment Program”, National College of Engineering, Tirunelveli on 13,02.2012 to 17.02.2012.
33. Two weeks ISTE Workshop on “Introduction to Research Methodologies”, National College of Engineering, Tirunelveli from 25.06. 2012.to 04.07.2012.
34. One day Workshop on “NPTEL”, National College of Engineering, Tirunelveli on 29.07.2011.
35. One day Workshop on “Fuzzy logic and its application”, PSN College of Engineering and Technology, Tirunelveli on 28.10.2010.

**Programmes Attended–FDP**

1. One-week online FDP on “Reforms in Examination System in Perspective of NEP 2020” organized by Department of Basic Science and Humanities, Techno College of Engineering, Triputa from 25.04.2022 to 29.04.2022.
2. Anna University Sponsored online six-day FDP on the topic “GE8075- Intellectual Property Rights” from 03.01.22.
3. Three days online FDP on “Research Methodology- A Platform to Enhance Your Research” organized by Department of CSE, Sona College of Arts and Science, Salem, Tamil Nadu from 25.11.2021 to 27.11.2021.
4. Three days online FDP on “Engineering Applications of Mathematics” organized by Department of Mathematics, Easwari Engineering College, Chennai, Tamil Nadu from 21.10.2021 to 23.10.2021.
5. One week online STTP on “Research Aspects on Deep Learning in Image and Video Processing” organized by Department of ECE, Velammal Institute of Technology, Chennai, Tamil Nadu from 01.12.2020 to 07.12.2020.
6. Six days online FDP on “Advanced Power Electronic Converters for Electric Vehicle Powertrain and Smart-Grid” organized by Department of EEE, QIS College of Engineering and Technology, Ongole, Andra Pradesh from 23.11.2020 to 28.11.2020.
7. Six days online FDP on “Design Approaches in Analog and Digital VLSI” organized by Department of ECE, Sasi Institute of Technology and Engineering, Tadepalligudem from 16.11.2020 to 21.11.2020.
8. Five days online FDP on “Advanced Simulation Tools for Electronics Engineers” organized by Department of ECE, S.A.Engineering College, Chennai from 27.04.2020 to 01.05.2020.
9. One-week online FDP on “Programming for Deep Learning and Machine Learning Algorithms” conducted by Chase Research and Development Department, Chennai from 02.04.2020 to 07.04.2020.
10. One-week STTP on “Embedded System Design with Open-Source Hardware & Software- A Hands-on Approach” at Thiagarajar College of Engineering, Madurai from 17.12.2018 to 23.12.2018.
11. Two-week ISTE STTP on “Electric Power System” by IIT Kharagpur at National College of Engineering from 12.06.2017 to 15.06.2017.
12. One-week ISTE STTP for coordinators on “CMOS, Mixed Signal and Radio Frequency VLSI Design” at IIT Kharagpur from 19.09.2016 to 23.09.2016.
13. Four-week FDP on “Use of ICT in Education for Online and Blended Learning”, by IIT Bombay at National College of Engineering from 02.05.2016 to 10.07.2016.
14. Five days FDP on “Foundation Skills in Integrated Product Development”, National College of Engineering, Tirunelveli from 26.03.2016 to 30.03.2016.
15. Three days FDP on “Digital Signal Processing System Design”, Sree Sowdambika College of Engineering, Virudhunagar from 07.10.2013 to 09.10.2013.
16. Two weeks FDP on “Control Systems”, RVS College of Engineering, Dindigul from 05.12.2006 to 17.12.2006.
17. One-week STTP on “Simulation, Analysis and Design of Power Electronic Systems”, Amritha Institute of Technology, Coimbatore from 19.05.2004 to 25.05.2004.

**Programmes Attended–Seminar**

1. Webinar on “The New U- Happy Living”. The webinar was organized by Department of Commerce, JP College of Arts & Science, Ayikudi, on 22.01.22.
2. Webinar on “What, Why and How Comprehending IPR”, organized by Shrimathi Devkunvar Nanalal Bhatt Vaishnav College for Women on 21.10.2021.
3. Webinar on “How to start your software career in strong terms”, organized by MEASI Institute of Information Technology, Chennai on 16.10.2021.
4. Webinar on “Getting Started with Deep Learning”, organized by Department of CSE, Government Engineering College, Rajkot on 10.10.2021.
5. One day Webinar on “Research Methodology for Social Science Research”, MES Asmabi College, Kodungallur, Kerala on 05.04.2020.
6. One day Seminar on “Optimization Techniques in Electrical Systems”, National College of Engineering, Tirunelveli on 12.11.2013.
7. One day Seminar on “Android Mobile Applications”, National College of Engineering, Tirunelveli on 22.09.2012.
8. One day National Level Seminar on “Sustainable Nuclear Energy Development and Its Ecological Safety”, National College of Engineering, Tirunelveli on 18.02.2016.
9. One day Seminar on “Recent Trends in Research”, National College of Engineering, Tirunelveli on 30.10.2015.
10. One day national level Seminar on “Advancement in Digital Information Sources and Services for Education and Research”, National College of Engineering, Tirunelveli on 09.07.2012.
11. DRDO sponsored third national Seminar on “Advancement in Medical Engineering towards Research (AMER’11)”, National Engineering College of, Kovilpatti from 05.08.2011 to 06.08.2011.
12. One day Seminar on “Class Room Interaction”, National College of Engineering, Tirunelveli on 14.07.2009.

**Programmes Attended–Training Programs**

1. AICTE-ISTE sponsored six-day induction/refresher program on “Electronic Circuit Design & PCB Simulation” conducted by Agnel Institute of Technology & Design, Goa from 14.01.2022 to 20.01.2022.
2. One-week STTP on “Introduction to Android Programming & Interfacing for Robotic Applications” organized by Department of EEE, CMR Institute of Technology, Bangaluru from 06.12.2021 to 10.12.2021.
3. One day online training on “The COSHH Risk Assessor Certification” conducted by The International Association for Chemical Society, London on 24.04.2020.
4. Three days hands-on training on “MATLAB and LabVIEW for Engineering Applications” at National Engineering College, Kovilpatti from 11.02.2019 to 13.02.2019.
5. One month Training Program on “Industrial Automation”, at Shri Guru Educations, Tirunelveli from 03.12.2018 to 24.12.2018.
6. Two days training course on “Quality Management (ISO 9001:2015)”, National College of Engineering, Tirunelveli on 29.08.2017 & 30.08.2017.
7. Two days training course on “Quality Management (ISO 9001:2008)”, National College of Engineering, Tirunelveli on 23.10.2010 & 24.10.2010.
8. Two days training course on “Internal Audit on ISO 9001:2008 and ISO 19011:2002”, National College of Engineering, Tirunelveli on18.10.2008 & 19.10.2008.

**Declaration**

## The above-mentioned particulars are true.

Place : Kadayanallur. Yours faithfully

(E.A.Mohamed Ali)

#### Annexure 2 – Publication Details

**Dr. E.A.MOHAMED ALI, B.E.(EEE), M.E.(AE), PGDHRM, Ph.D.(ICE),**

**Publication Details**

**Publication –International Journals**

1. Dr.P.Nancy, T.M.Angelin Ben Roja & **Dr. E A Mohamed Ali,**  “Generalized Functional Additive Model for Validating the Spike Transformation of FNDCNN using 2D Images”, NeuroQuantology, Vol.20, no.08., 20 August 2022[Scopus Indexed].
2. Manivanna Boopathi,A, **Mohamed Ali, EA**, Abudhahir,A,& Subha Velappan, “'Forecasting Oil and Gas Production and Consumption in Kingdom of Bahrain using Optimized Grey Forecasting Models”, International Journal of Computing and Digital Systems, https://journal.uob.edu.bh:443/handle/123456789/4311[Scopus Indexed].
3. Vinoth, M, **Mohamed Ali, EA**, Koushick, V, Thanga Pandi, S & Leema Nelson, “A 2x1 Wearable Periodical Array Antenna for IEEE Standards P802.11 Ay/D4. O Applications”, Accepted for Publication in American Institute of Physics [Scopus Indexed].
4. K. Murugan, R. Nithya, K. Prasanth, S. Fowjiya, R. U. Mageswari and **E. A. Mohamed Ali**, "Analysis of Full Adder cells in Numerous Logic Styles," IEEEXplore, 2022, pp. 90-96, doi: 10.1109/ICEARS53579.2022.9751808[Scopus Indexed].
5. R. Vallikannu, M. Vinoth, V. Koushick and **E. A. M. Ali**, "A Miniaturized Defected Ground Patch Antenna for ITS 5G-V2x-C Applications," IEEEXplore, 2022, pp. 1-6, doi: 10.1109/ICCCI54379.2022.9741033[Scopus Indexed].
6. Murugan,K, Mohammad Malik Mubeen,S, **Mohamed Ali, EA**, &Anula Beauty,S, “Implementation of Wallace Tree Multiplier Using 8:4 Compressor”, Turkish Journal of Computer and Mathematics Education, Vol.12, no.11., 10 May 2021[Scopus Indexed].
7. Manivanna Boopathi,A, **Mohamed Ali, EA**, Abudhahir,A,& Subha Velappan, “Forecasting the Generation and Consumption of Electricity and Water in Kingdom of Bahrain using Grey Models”, International Journal of Computing and Digital Systems, Vol.10, no.1., 1 April 2021[Scopus Indexed].
8. **E. M. Ali**, A. M. Boopathi, A. Abudhahir and S. Velappan, "Enhancement of PEM Fuel Cell Performance with Direct Active Fuzzy Sliding Mode Controller," IEEEXplore, 2020, pp. 1-6, doi: 10.1109/ASET48392.2020.9118333[Scopus Indexed].
9. **Mohamed Ali, EA**, Manivanna Boopathi,A Abudhahir,A,& Subha Velappan, “Pressure Regulation in Proton Exchange Membrane Fuel Cell using Direct Active Fuzzy Non-Linear Controller”, International Journal of Computing and Digital Systems, Vol.9, no.1., 1 January 2020[Scopus Indexed].
10. **A. E. Mohamed**, B. A. Manivanna, A. Abudhahir and S. Velappan, "Direct Active Fuzzy Non-Linear Controller for Pressure Regulation in PEM Fuel Cell," IEEEXplore, 2019, pp. 1-5, doi: 10.1109/ICMSAO.2019.8880441[Scopus Indexed].
11. **Mohamed Ali, EA**, Abudhahir,A & Manivanna Boopathi,A, “An Advanced Approach in Direct Active Fuzzy PI Controller for Pressure Regulation in PEM Fuel Cells”, Journal of Electrical Engineering, ISSN:1582-4594, vol. 18, no. 4, pp. 415-423, December 2018[Scopus Indexed].
12. **Mohamed Ali, EA**, Abudhahir,A &Manivanna Boopathi,A,”Firefly Algorithm Tuned PI Controller for Pressure Regulation in PEM Fuel Cells”, Journal of Computational and Theoretical Nanoscience, ISSN:1546-1955, vol.15,no. 3, March 2018, pp. 845-853, March 2018[Scopus Indexed].
13. **Mohamed Ali, EA**, Manivanna Boopathi,A & Abudhahir, A,”Sliding Mode Controller for Pressure Regulation in PEM Fuel Cell”, Journal of Communications Technology, Electronics and Computer Science, no.15, 2017.
14. Syed Mohamed Muzzammil, MH & **Mohamed Ali, EA**, “Safety Improvement of Nuclear Power Reactor using Soft Computing Techniques”, IOSR Journal of Electronics and Communication Engineering, vol.5, Issue 2, Mar-Apr 2013.
15. Fathima Nazreen, M & **Mohamed Ali, EA**, “Analysis of Performance Metrics of Controllers for Pitch Controlled Variable Speed Wind Turbine”, Advances in Natural and Applied Sciences, vol.10, Issue 4, Apr 2016.
16. Peer Mohamed, M, **Mohamed Ali, EA** & Balakumar, I,“BFOA based Tuning of PID Controller for a Low Frequency Control in Four Area Power System”, International Journal of Applied Research and Technology (IJART), vol.2, Issue.3, page 133-138, 2012.
17. **Mohamed Ali, EA**,& Abudhahir, A,”A survey of the relevance of control systems for PEM Fuel Cells”, IEEEXplore, pp. 322- 326, March 201, doi:10.1109/ICCCET 2011.5762494[Scopus Indexed].

**Publication –International Conferences**

1. Murugan, K, Nithya, R, Koushick, V, Prasanth, K, Fowjiya, S, Uma Mageswari, R & **Mohamed Ali, EA**, “Analysis of Full Adder cells in Numerous Logic Styles”, 2022 International Conference on Electronics and Renewable Systems (ICEARS -2022), St. Mother Theresa Engineering College, India, Mar. 16 – 17, 2022.
2. Vinoth, M, **Mohamed Ali, EA**, Koushick, V, Thanga Pandi, S & Leema Nelson, “A 2x1 Wearable Periodical Array Antenna for IEEE Standards P802.11 Ay/D4. O Applications”, International Conference on Smart Technologies and Applications-2022 (ICSTA 2022), Ramco Institute of Technology, 11th & 12th March, 2022.
3. Thanga Pandi, S, Jayasree, T, & **Mohamed Ali, EA**, “Wearable Circular Patch Antenna with Aperture Integrated Ground for Tetra Frequency Applications”, International Conference on Smart Technologies and Applications-2022 (ICSTA 2022), Ramco Institute of Technology, 11th & 12th March, 2022.
4. Vinoth, M, Vallikannu, R, Koushick, V & **Mohamed Ali, EA**, “A Miniaturized Defected Ground Patch Antenna for ITS 5G-V2x-C Applications”, 2022 International Conference on Computer Communication and Informatics (ICCCI -2022), Sri Sakthi Institute of Engineering and Technology, India, Jan. 25 – 27, 2022.
5. **Mohamed Ali, EA**, Subbulakshmi, M & Jothi, R, “Image Compression Technique using Different Wavelet Methods with Different Levels”, 1st International Conference on Engineering, Medicine, Management, Arts and Sciences (ICEMMA-2021), Chendur Research Foundation, India, 24-26 December 2021.
6. Subbulakshmi, M ,**Mohamed Ali, EA**, & Siva Harini, K, “Adaptive Histogram-Shifting and Clustering based Reversible Watermarking ”, International Virtual Conference on Global Advanced Trends in Applied Mathematics, Physical Science & Humanities (ICGAMPH-2021), Sri Ramakrishna Institute of Technology, India, 21 October 2021.
7. Subbulakshmi, M ,**Mohamed Ali, EA**, & Siva Harini, K, “Design and Implementation of IoT based Soldier tracking and Monitoring system using Wireless Communication”, International Conference on Advanced Computer Science & Technologies (ICACAST 2021), SRM Institute of Science and Technology, India, 8 October 2021.
8. **Mohamed Ali, EA**, Subbulakshmi, M & Siva Harini, K, “Design and Implementation of IoT based Smart Device for Women Safety System”, National Conference on Research and Advanced Innovations in Technology and Sciences (R&AITS-2021), Annamacharya Institute of Technology and Sciences, India, 28 August 2021.
9. **Mohamed Ali, EA**, Manivanna Boopathi,A , Abudhahir,A,& Subha Velappan, “A Detailed Study of Modern Approaches to Improve the Water Management in PEM FUEL CELLS”, International Virtual Conference on Smart Advanced Material Science and Engineering Applications (IVCSAMSEA 2020), Department of Physics, KLEF, Guntur, India, during 03rd – 05th December, 2020.
10. **Mohamed Ali, EA**, Thanga Pandi, S & Sarathkumar, R, “Design and Analysis of an Optimized Slot-loaded Rectangular Patch Antenna for Dual Band Operations”, AICTE sponsored International Virtual Conference on Antennal Innovations, 5G Communications and Network Technologies (ICA5NT 2020), Velemmal Institute of Technology, India, 6 -7 November 2020.
11. **Mohamed Ali, EA**, Manivanna Boopathi,A , Abudhahir,A,& Subha Velappan, “Performance Enhancement of PEM Fuel Cell using Direct Active Fuzzy Sliding Mode Controller”, IEEE International Conference on Advances in Science and Engineering Technology International Conferences (ASET), Dubai, UAE,4 Feb.-9 April 2020.
12. Subbulakshmi,M**, Mohamed Ali, EA** & Padmavathi K“An Efficient Approach for Image Retrieval using Particle Swarm Optimization”  8th National conference on Recent Trends in Electrical, Electronics, Communication and Computing Technologies, March 2019.
13. Subbulakshmi,M**, Mohamed Ali, EA** & Padmavathi,K “A Review of Automatic Microneurysm Detection from Fundus Images” International Conference on Technical Innovations in Electrical, Electronics, Computer and Communications ,PET Engineering College on 13th March 2019.
14. **Mohamed Ali, EA,** Subbulakshmi,M& Padmavathi,K**,** “A Recent Automated Detection of Diabetic Retinopathy based on Feature Extraction and Classification of Image” International Conference on Intelligent Computing and Communication Technology at JayarajAnnapackiam CSI College of Engineering ,1st March 2019.
15. **Mohamed Ali, EA**, Manivanna Boopathi,A, Abudhahir,A,& Subha Velappan, “Direct Active Fuzzy Non-Linear Controller for Pressure Regulation in PEM Fuel Cell”, 8th IEEE International Conference on Modeling Simulation and Applied Optimization (ICMSAO), Bahrain,15-17 April 2019.
16. Fathima Nazreen,M & **Mohamed Ali**, **EA**, “Optimized PID controller Design for VSWT using Optimization Algorithm” International Conference on Current Trends in Engineering Science and Technology(ICCTEST), January 2016.
17. **Mohamed Ali*,*** **EA**,“Performance Analysis and Design of Energy Efficient Arithmetic Adder by PTL Technology”, International Conference on Innovative Trends in Computer & Technology, The Rajaas Engineering College, Vadakkankulam, 7th and 8th March 2013.
18. **Mohamed Ali, EA**,& Abudhahir, A,”A survey of the relevance of control systems for PEM Fuel Cells”, IEEE International conference on Computer, Communication and Electrical Technology (ICCET), India, pp. 322- 326, March 2011.

**Publication –National Conferences**

1. **Mohamed Ali, EA**, Subbulakshmi, M & Siva Harini, K, “Design and Implementation of IoT based Smart Device for Women Safety System”, National Conference on Research and Advanced Innovations in Technology and Sciences (R&AITS-2021), Annamacharya Institute of Technology and Sciences, India, 28 August 2021.
2. **Mohamed Ali, EA** & Nusrath Irfana,M, “Detection of Critical Cardiac Abnormalities based on ECG data using Wavelet and Fuzzy Techniques” National Conference on RecentTrends in Engineering and Technology (NCRTET’2020), PSN College of Engineering and Technology, 14th February 2020
3. Subbulakshmi,M, **Mohamed Ali, EA** & Nabisathul Banu,“Fetal ECG Extraction and Classification using AI” 5th National Conference GU Pope College of Engineering, Sawyerpuram ,13th March 2020.
4. **Mohamed Ali, EA** & Padmavathi, K, “Automated Toilet Cleaning Machine by Embedded System” National Conference on Comminication, Information and Control Systems (NCCICS’19) , V V College of Engineering, 19th February 2019.
5. Subbulakshmi,M, **Mohamed Ali, EA** & Padmavathi,K, “An Efficient Approach for Image Retrieval using Particle Swarm Optimization” 8th National Conference on Recent Trends in Electrical, Electronics, Communication and Computing Technologies, PSR Rengasamy college of Engineering for Women, Sivakasi, 15th March 2019.
6. MuhshinaThasneem & **Mohamed Ali, EA**, “An Efficient Fusion Method on Multifocus Images”, National Conference on Communication Information and Control System (NCCICS), V.V.College of Engineering, 15th February 2017.
7. Fathima Nazreen, M & **Mohamed Ali, EA**, “Optimized designing of PID controller for VSWT using genetic algorithm” National conference on Communication Information and Control Systems, V.V.College of Engineering, January 2016.
8. **Mohamed Ali, EA** & Abudhahir, A “Fuzzy Logic Controller based Pressure Regulation of PEM Fuel Cells”, 4th National Conference on Recent Trends in Instrumentation Applications (RETINA’15) , 26th and 27thFerbruary 2015.
9. Muthu Kuamar,B & **Mohamed Ali, EA**, “Detection and Classification of Brain Tumour on PET image for Radio Surgical Applications”,National Level Conference on Emerging Technique, PSR Engineering College, March 2014.
10. [Lorin Enico Arthi](https://www.researchgate.net/scientific-contributions/2181908631-SLorin-Enico-Arthi), S & **Mohamed Ali, EA**, “Detection of Digital Image Forgeries for Forensic Applications”,National Level Embedded Conference NEC’14, Department of EEE, Regional centre Anna University, Tirunelveli, March 2014.
11. Krishnakumari, L & **Mohamed Ali, EA**, “Alternative Internal Logic and Pass Transistot Logic Design Of Energy Efficient Adder and its Application”, National Conference on Emerging Trends in Applied Electronics, Chandy College of Engineering, Thoothukudi, 19th April 2013.
12. **Mohamed Ali, EA**, “Fuzzy based DC Drive Control Analysis and Simulation Results”, National Conference on Recent Trents in VLSI, Signal Processing , Communication and Embedded Technology, RVS College of Engineering and Technology, Dindigul, 7th April 2007.

**Declaration**

## The above mentioned particulars are true.

Place : Kadayanallur. Yours faithfully

(E.A.Mohamed Ali)