## PERSONAL DETAILS AND AFFILIATION

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| Name of the Faculty Member | Ms.S.MUGUNTHA MALA |
| Designation | ASSISTANT PROFESSOR |
| Department | ELECTRONICS AND COMMUNICATION ENGINEERING |
| Date of joining the institution | 04.12.2023 |
| Address for Communication | Department of ECE, National Engineering College, Kovilpatti |
| Email ID | mugunthamala-ece@nec.edu.in, mugunthamala@gmail.com |

## EDUCATIONAL QUALIFICATION

| S.NO. | QUALIFICATION | INSTITUTION STUDIED | UNIVERSITY / BOARD | Class | YEAR OF PASSING |
|---|---|---|---|---|---|
| 1. | B.Tech. (ECE) | Kalasalingam University. | Kalasalingam University. | 76.88% First Class | 2012 |
| 2. | M.E. | National Engineering College, Kovilpatti. | Anna University, Chennai. | 87.2% First Class with Distinction **College 2nd Rank** | 2014 |
| 3. | Ph.D. | Anna University, Chennai | Anna University, Chennai. | - | Pursuing |

## EXPERIENCE

| S.NO. | NAME OF THE INSTITUTION / ORGANIZATION | POSITION HELD | FROM | TO | EXPERIENCE | |
|---|---|---|---|---|---|---|
| | | | | | Y | M |
| 1. | Kalasalingam Institute of Technology. | Assistant Professor | 07.07.2014 | 23.07.2015 | 2 | 0 |
| 2. | National Engineering College, Kovilpatti. | Assistant Professor | 04.12.2023 | Till Date | | |

## LIST OF/ SYMPOSIUM/ INTERNATIONAL/NATIONAL CONFERENCE PUBLICATIONS

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| 1. | **Ms.S. Muguntha Mala**, presented a paper on "Handoff Scheme using Spectrum analysis with beam forming" in the international conference on Information Communication & Electrical Technologies(iConICET2016), in Sri Vidya College of Engineering and Technology, Virudhunagar, 2016. |

| 2. | **Ms.S. Muguntha Mala**, presented a paper on "Generation of Electricity with magnetic engine controlled by wireless technology" in the National conference of Emerging Communication & Trends NCECT'16, in P.S.R Engineering College, Sivakasi, 2016. |
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| 3. | **Ms.S.Muguntha Mala** presented a paper on "A pregnant women healthcare monitoring system using wireless sensor networks" in a national level symposium at Sri Krishna College of Engineering & Technology,2016. |
| 4. | **Ms.S.Muguntha Mala** presented a paper on " Interface the GPS, GSM, RF Modules using VLSI for accident information and car security systems" in a National Level Technical symposium at Karpagam College of Engineering, Coimbatore,2014. |
| 5. | **Ms.S.Muguntha Mala** presented a paper on "Energy Saving Transmission in multi-carrier systems for Green Communication" in IEEE - International Conference on "Emerging Trends in Science, Engineering, Business and Disaster Management ICBDM'14, Noorul Islam University, Nagarkoil, 2014. |

## LIST OF INTERNATIONAL JOURNAL PUBLICATIONS

| 1. | **Ms.S.Muguntha Mala,** Dr.S.Tamil Selvi, (2014). Energy Saving Transmission for Green Communication. International Journal of Research in Science and Technology (IJRST) Vol.1, No. 2. |
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| 2. | J.Abinaya,M.Pradeepalakshmi,K.Rampriya,**Ms.S.Muguntha Mala,** (2015). Energy Efficient Cognitive Radio System in Cooperative Communication. International Journal of Industrial Electronics and Electrical Engineering. Vol.3, Issue-5. |
| 3. | **Ms.S.Muguntha Mala**, S.Chandiya Uma (2017). Eco – Friendly Energy Efficient Transmission. International Journal of Recent Trends in Engineering and Research, Vol.3, issue-11. |

## NPTEL COURSES COMPLETED

| 1. | Completed NPTEL course on **Microprocessors and Microcontrollers** during Jan – Mar 2024. |
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## EVENTS ORGANIZED

| S.NO. | NAME OF THE PROGRAMME & VENUE | DATES WITH DURATION | RESPONSIBILITY |
|---|---|---|---|
| 1. | Two-day Faculty Empowerment Program on "21st Century Engineering Education" at Kalasalingam Institute of Technology, Krishnankoil. | 27.04.2015 to 28.04.2015 | ORGANIZER |

| 2. | One day Faculty Development Program on "Teacher - A catalyst for Social Change", at Kalasalingam Institute of Technology, Krishnankoil. | 22.08.2015 | ORGANIZER |
|---|---|---|---|
| 3. | One Day Faculty Industrial Visit to ISRO Propulsion Research Complex (IPRC), Mahendragiri. | 04.12.2015 | ORGANIZER |

| WORKSHOPS/SEMINARS/CONFERENCES/TRAINING PROGRAMMES ATTENDED | | | |
|---|---|---|---|
| S.NO. | NAME OF THE PROGRAMME & VENUE | DATES WITH DURATION | RESPONSIBILITY |
| 1. | One day Live Masterclass on "Claude AI" conducted by Skill Nation. | 29.05.2024 | PARTICIPANT |
| 2. | Five-day Faculty Development Program on "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE). | 17.06.2024 to 21.06.2024 | PARTICIPANT |
| 3. | Five-day Professional Development Program on "Instructional Design and Delivery systems" conducted by NITTTR, Chennai. | 16.05.2024 to 18.05.2024 | PARTICIPANT |
| 4. | Two-Day TEQIP sponsored workshop on "Evolution of 5G and IoT through Cognitive Radio Networks at National Institute of Technology, Tiruchirappalli. | 06.05.2016 to 07.05.2016 | PARTICIPANT |
| 5. | Anna University approved FDTP "IT-6005 Digital Image Processing", Organized by Kalasalingam Institute of Technology, Krishnankoil. | 06.05.2016 to 13.05.2016 | PARTICIPANT |
| 6. | One day Seminar on "NBA Accrediation" at Kalasalingam Institute of Technology, Krishnankoil. | 29.12.2015 | PARTICIPANT |

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| 7. | One Day FDP on "Assessment & Accreditation" Organized by Kalasalingam Institute of Technology, Krishnankoil. | 14.11.2015 | PARTICIPANT |
| 8. | One Day FDP on "My Self Development & Transformation" Organized by Kalasalingam Institute of Technology, Krishnankoil. | 22.08.2015 | PARTICIPANT |
| 9. | One Day FDP on "Fine Tuning Presentation" Organized by Kalasalingam Institute of Technology, Krishnankoil. | 30.05.2015 | PARTICIPANT |
| 10. | One Day Seminar on "Antennas organised by IEEE Antennas and propagation society (AP-S)", Madras Chapter at National Engineering College, Kovilpatti. | 18.10.2014 | PARTICIPANT |
| 11. | One Day Seminar on "Wireless Communication Networks" at Kamaraj college of engineering and technology, virudhunagar. | 21.02.2014 | PARTICIPANT |
| 12. | Two-day ICMR sponsored National level seminar on research issues in thermography at National Engineering College, Kovilpatti. | 04.10.2013 to 05.10.2013 | PARTICIPANT |

| Industrial Exposure | |
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| 1. | Went for a one day visit to Kudankulam Nuclear Power Project, on 15.02.2016. |
| 2. | Went for a one day visit to ISRO Propulsion Research Complex, Mahendragiri, on 04.12.2015. |
| 3. | Undergone 23-day Industrial Training in "Suzlon Infrastructure services ltd. From 07.06.2009 to 30.06.2009. |

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| 4. | Undergone 27-day Industrial Training in "BSNL - Tuticorin" from 04.12.2008 to 31.12.2008. |

## Achievements

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| 1. | **Secured College Second rank** in M.E – Communication System during 2012 – 2014. |

## MEMBERSHIP DETAILS

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| 1. | Institute of Engineers (India)  IE(I) - Life time Member. |