



**1. NAME AND ACADEMIC RANK:** Mrs. R. Selvameena, ME., (Ph.D.),

Assistant professor

**2. EDUCATION:**

ME            Computer Science and Engineering, Anna University, Chennai, 2012.

BE            Computer Science and Engineering, Anna University, Chennai, 2010.

**3. ACADEMIC EXPERIENCE:**

2016 – Present      Assistant Professor, Department of Computer Science & Engineering,  
Dr. M.G.R. Education and Research Institute, Chennai, full time.

2007 – 2017      Assistant Professor, Computer Science & Engineering Department,  
Dr. M.G.R. Education and Research Institute, Chennai, full time.

**4. NON-ACADEMIC EXPERIENCE:**

NIL

**5. CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS:**

- Completed an online course on “Digital Skills: Artificial Intelligence “Conducted by Accenture Issued on 1May 2020.
- Completed an online course on “Computer programming for everyone” conducted by University of Leeds and Institute of Coding, Issued on 27 Apr 2020.
- Completed an online course on “Transforming Digital Learning: Learning Design Meeting Service Design “conducted by DEAKIN UNIVERSITY, Issued on 27 Apr 2020.
- Completed an Online Training Course on “Infection Prevention and Control Resource Pack” conducted by Virtual College, Certificate Number:3BPH-QKIC-86V9- RANM, held on 27 Apr 2020.

**6. CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:**

- International Association of Engineers (IAENG), Member

- All India Council for Technical Skill Development (AICTSD), Member
- International Association of Engineering, Member
- Universal Association of Computer & Electronic Engineers, Member

#### **7. HONORS AND AWARDS:**

- Best Alumni Co-Ordinator at Dr. MGR Educational and Research Institutions in year 2022-23

#### **8. SERVICE ACTIVITIES:**

- Various Academic and Administrative Committees at Dr. MGR Educational and Research Institutions

#### **9. PRINCIPAL PUBLICATIONS OF LAST FIVE YEARS (2019-2024):**

- Machine Learning with Neural Networks for Early Detection of Peripheral Neuropathy in Patients with Diabetes
- [Weather Impact Nano Patch Hybrid Satellite Communication with AI Monitored Network Information Protection System](#)
- Glaucoma Detection Using Deep Learning Approach in Research Detection
- Stochastic Sequential Development of Supply Chain Management System and Performance Index in Dynamic Environment
- A SEPIC Converter with Adaptive Sliding Mode Control for Grid-Connected Solar PV Systems

#### **10. PROFESSIONAL DEVELOPMENT ACTIVITIES IN THE LAST FIVE YEARS:**

- Attended & Trained in Five Days Faculty Development Program on “Road Map to Hybrid Research “conducted by Department of Biotechnology of Dr. MGR Educational and Research Institute University, Chennai held from 13.07.20 to 17.07.20.
- Attended & Trained in One week Faculty Development Program on “Cyber Security “conducted by Department of CSE of Laki Reddy Bali Reddy college of Engineering, Andhra Pradesh held from 26.06.20 to 30.06.20.
- Attended & Trained in Five Days National level online Faculty Development Program on “Perl Scripting “Organized by Department of CSE of Lord’s Institute of Engineering & Technology, Hyderabad held from 10.06.20 to 14.06.20.

- Attended & Trained in Five Days Faculty Development Program on “Multi-dimensional scaling from science to technology-accelerating innovation “organized by First year B.Tech (Faculty of E&T) and office of International relations of Dr.MGR Educational and Research Institute University, Chennai held from 09.06.2020 to 13.06.2020.
- Attended & Trained in Five Days National level online Faculty Development Program on “Perl Scripting “Organized by Department of CSE of Lord’s Institute of Engineering & Technology, Hyderabad held from 10.06.20 to 14.06.20.
- Attended & Trained in Five Days online Faculty Development Program on “Technological Advances in Power switching converters for Renewable Energy sources and Fuel cell Technology for E-Vehicles “Organized by Department of EEE of Bapatla Engineering College, Bapatla held from 01.06.20 to 05.06.20.
- Attended & Trained in Five Days online Faculty Development Program on “Big Data Engineering” Organized by Department of CSE of Kings Engineering College, Chennai held from 01.06.20 to 05.06.20.
- Attended in One Day online Faculty Development Program on “Innovations in Digital Education Technology “Organized by Innovation Club of Kings Government First Grade college, Bengaluru held on 29 May 2020.
- Attended in Three Days online Faculty Development Program on “Virtual Training for Renewable Energy Systems “Organized by Department of EEE of S.A Engineering College, Chennai held from 28 to 30 May 2020.
- Attended in One Day online Faculty Development Program on “CFD simulation of Thermal Management of Batteries and Power Converters “Organized by Department of Mechanical Engineering of Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai held on 28 May 2020.