

# Dr.T.MAGESH

Professor/EEE

R.M.K Engineering College R.S.M.Nagar, KavaraiPettai– 601 206.  
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## Educational Qualification

| Sl.No. | Name of the course | Name of the Institute/ university                              | Academic year | Class/CGPA |
|--------|--------------------|--|---------------|------------|
| 1.     | B.E.               | R.M.K Engineering College/Madras University                    | 1999          | I class    |
| 2.     | M.E.               | Thigarajar College of Engineering/Madurai Kamarajar University | 2002          | 7.4        |
| 3.     | Ph.D               | College of Engineering, Guindy, Chennai/Anna University        | 2016          | -          |

## Academic Experience

| Sl.No. | Designation         | Institution             | Department                           | Period of service | Total service |
|--------|---------------------|-------------------------|--------------------------------------|-------------------|---------------|
| 1.     | Professor           | RMK Engineering College | Electrical & Electronics Engineering | 2016 to Till Date | 2.3year month |
| 2.     | Associate Professor | RMK Engineering College | Electrical & Electronics Engineering | 2011 to 2016      | 5.1years      |
| 3.     | Senior Lecturer     | RMK Engineering College | Electrical & Electronics Engineering | 2008 to 2011      | 2.11 years    |

|                                  |                                      |   |                    |                  |
|----------------------------------|--------------------------------------|---|--------------------|------------------|
| <b>4. Lecturer</b>               | RMK Engineering College              | <b>Electrical &amp; Electronics Engineering</b> | <b>2006 - 2008</b> | <b>2.4years</b>  |
| <b>5. Lecturer</b>               | Madha Engineering College Kundrathur | <b>Electrical &amp; Electronics Engineering</b> | <b>1999 - 2006</b> | <b>6.7 years</b> |
| <b>Total Years of Experience</b> |                                      |   |                    | <b>18.7Years</b> |

### **Publications- Journal**

- 1.T.Magesh, Dr.C. Chellamuthu ,” Simulation and Study of Power Quality Issues in a Fixed Speed Wind Farm Substation” The Scientific World journal, Volume 2015, Article ID 367540 , 2015.
2. T Magesh, Geetha Ramadas, C Chellamuthu and M. Parameswari “Measurement and Analysis of Power Quality Issues in Wind Farms-A Real case study” International Journal of Applied Engineering Research - Volume 10,issue 14,2015.
3. T Magesh, M.Gomathi, Dr. C Chellamuthu ‘Tie line control on two area system with wind farm’ International Journal of Applied Engineering Research -Volume 8,Issue 8,2015.
4. M.Kalaivani<sup>1</sup> T.Magesh<sup>2</sup> Design of Optimal Pi Controller for Permanent Magnet Synchronous Generator Driven By Variable Speed Wind Turbine Using Genetic Algorithm- International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering
5. M.Pazhamalai ,P.R.Jeevarathinam P.Naveen kumar ,Dr.T. Magesh “Multi-purpose mirror using single board Computers” International Journal of Engineering and Techniques , Volume 4 Issue 2, Mar – Apr 2018
6. Dr.N.M Jothi Swaroopan , Dr.T. Magesh, A.Vinith, N.Yuvaraj, 5 C.Naveen “mplementation of Single Phase Cascaded Multilevel Inverter with Multi-Carrier PWM Technique Connected to Grid” International Journal of Engineering and Techniques , Volume 4 Issue 6, Mar-Apr 2018

### **Publications- Conference**

- 1.T.Magesh Tuning of pi controller for variable Speed wind turbine using genetic Algorithm optimization National conference on innovative techniques in power engineering and drives - 2016
- 2.T.Magesh, S.Mohanasundaran -Analysis of power quality issues in a grid connected fixed speed wind energy conversion system, ICPAR-2014

## Workshop/conference/FDP Attended

1. Work Shop on “Power quality improvement in wind energy conversion system” at Sri Krishna Engineering college Coimbatore.
2. Workshop on “**High Impact Teaching Skills - Mission 10X**” conducted by Wipro Technologies, Chennai, during 27<sup>th</sup> to 31<sup>st</sup> December 2009.
3. Workshop on “**Researchers Meet 2009**” conducted by IET,UK Young Professional
4. Attended AICTE sponsored seminar on Application of renewable energy resources toward smart grid at VEC Chennai-66
5. International seminar on Power Sector sustainability in emerging renewable energy era conducted by National power training institute.

## Academic Projects

1. Coordinator- Completed a Project on study of power quality issues in grid connected wind farm , sanction by MNRE-Rs 150000during year 2010-2014
2. Improving the efficiency of solar cell – project sanction by IEDC cell in RMK Engineering College for Rs10000 during the year 2014.1 KW Wind Power Plant

## Special Lectures Delivered

1. Advisory Committee for International conference on **Energy efficient technology for sustainability**, at T.J S Enginnering College -2015
2. Guest lecturer on classification of transmission lines –seven day FDP sponsored by Anna University

## Additional Responsibilities

- **Project coordinator** for B.E innovative projects
- Symposium coordinator
- Conference coordinator
- NBA coordinator
- **Vice Chairman/ Chief examiner** for Anna University Examinations
- **Flying squad** for Anna University Examinations
- **Coordinator** for NBA Accreditation

## Subjects Handled

- Power System Dynamics

- Power System Control and Operation
- Flexible AC Transmission Systems
- Power System Analysis
- Solid State Devices
- Power Electronics
- Transmission and Distribution
- Electrical machines 1 & 11
- Power System Protection & Switch Gear
- Electronic Devices

## Professional Society

Indian Society for Technical Education

Institution of Engineering and Technology -

## Personal Data

|                 |   |                              |
|-----------------|---|------------------------------|
| Date of birth   | : | 14-03-1978                   |
| Age             | : | 39                           |
| Martial status  | : | Married                      |
| Nationality     | : | Indian                       |
| Languages Known | : | Tamil, English and Malayalam |