

**Name** : **Dr.P.Suresh Pandiarajan**

**Designation** : **Professor**

**Department** : **Electronics and Communication Engineering**

**Name of the Organization / Institution** : **P.S.R.Rengasamy College of Engineering For Women**

**Place** : **Sivakasi**

**Pin code** : **626140**

**Mobile** : **9884115995, 8248911944**

**E-mail** : **p.sureshpandiarajan@gmail.com**

**Area of Specialization** : **DSP, Process Control and Instrumentation, Control Systems**

**Last five years Publications:**

1. **P.Suresh Pandiarajan** et al. 'An innovative GPS tracking of autonomous train and embedding sensor through COMSAT' International conference on challenges and Opportunities for Development of Smart cities 2020(ICCDS 2020) , P.S.R.Engineering College during 23-25 Jan 2020.
2. **P.Suresh Pandiarajan** et al. ' Design of multiple cell error detection and correction code' "International Conference on New Scientific Creations in Engineering and Technology" organized by the Nadar Saraswathi College of Engineering and Technology on 22 March 2019.
3. **P.Suresh Pandiarajan** et al. 'Implementation of IOT enabled smart parking system for urban Areas' "International Conference on Trends in Engineering , Technology and Management (ICRTETM 2019) on 18<sup>th</sup> March 2019.
4. **P.Suresh Pandiarajan** et al. 'Development of an Advanced Automatic specialized vehicle using various sensors' International Journal of Advanced Research In Basic Engineering Sciences and Technology ,ISSN No.:2395-695X,vol 3, Issue 24,March 2017.
5. **P.Suresh Pandiarajan** et al. 'Voice and gesture based wheelchair implementation using PIC and Android' International Journal of Advanced Research in Basic Engineering Sciences and Technology, ISSN No.:2395-695X, vol 3, Issue 24, March 2017.
6. **P.Suresh Pandiarajan** et al. "Mobile SCADA for crop field management", International conference (ICACCPC'16), Christian college of Engineering & Technology, Ottanchatram, March 18<sup>th</sup> , 2016.
7. **P.Suresh Pandiarajan** et al. "Differential Evolutionary Algorithm Based MPPT Controlled Inverter For Solar PV LED Street Light Systems", International conference(ICACCPC'16), Christian college of Engineering & Technology, Ottanchatram, March 18<sup>th</sup> , 2016.

8. **P.Suresh Pandiarajan**, S.Nithya, P.Sathya and S.Pradeepa, ‘ A nondestructive sensing robot for crack detection and deck maintenance’, International Journal for Research in Applied Science & Engineering Technology, vol.3, no.4, pp.663-673, April 2015.
9. **P.Suresh Pandiarajan**, S.P. Natarajan, C.R.Balamurugan and R.Bensraj, ‘Assessment of single phase cascaded multilevel inverter using equal and unequal amplitude carriers’, International Journal of Signal Processing, Image Processing and Pattern Recognition , ISSN No.2005-4254, vol.8, no.5, pp.9-22, July 2015.
10. **P.Suresh Pandiarajan**, S.P.Natarajan, C.R.Balamurugan and B.Shanthi, ‘Assessment of equal and unequal amplitude carriers for a single phase five level diode clamped inverter’, ARPN Journal of Engineering and Applied Sciences, ISSN No.1819-6608, vol.10, no.12, pp.5277-5285, July 2015.
11. **P.Suresh Pandiarajan**, S.P. Natarajan,C.R.Balamurugan and K.Ramasamy, ‘Assessment of equal and unequal amplitude carriers for a single phase five level flying capacitor multilevel inverter’, *TELKOMNIKA* Indonesian Journal of Electrical Engineering, ISSN No.2302-4046, vol.15, no.2, pp.229-236, August 2015.
12. **P.Suresh Pandiarajan**, S.P. Natarajan and C.R.Balamurugan, ‘Role of Variable amplitude carriers on a single phase asymmetrical multilevel inverter’, Middle-East Journal of Scientific Research, ISSN No.1990-9233, vol.23, no.9, pp.2288-2298, October 2015.
13. **P.Suresh Pandiarajan**, S.P. Natarajan, C.R.Balamurugan and K.Ramasamy, ‘Assessment of fixed and variable amplitude bipolar carriers for a single ternary multilevel inverter’, Australian Journal of Basic and Applied Sciences, ISSN No.1991-8178, vol.9, no.33, pp.249-256, October 2015.