

**Name** : **Dr. Selvajyothi K**  
**Designation** : Assistant Professor  
**Department** : Electrical Engineering  
**Name of the Organization/ Institution** : Indian Institute of Information Technology, Design and Manufacturing  
**Place** : Chennai  
**Pincode** : 600127  
**Mobile No.** : 9445568385  
**E - Mail** : ks jyothi@iiitdm.ac.in  
**Area os Specialization** : Power Electronics and Control

### **LIST OF PUBLICATIONS**

#### **International Journals:**

- Moupuri Satish Kumar, **Kamakshy Selvajyothi**, "Optimal Planning and Utilization of Existing Infrastructure with Electric Vehicle Charging Stations", IET Generation, Transmission & Distribution (2020 accepted)
- Moupuri Satish Kumar, **Kamakshy Selvajyothi**, "Optimal placement of electric vehicle charging station for unbalanced radial distribution systems", Journal Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Feb 2020, <https://doi.org/10.1080/15567036.2020.1731017>.
- George V. Alexander, M.S. Indu, **Selvajyothi Kamakshy**, Ramaswamy Murugan, "Development of stable and conductive interface between garnet structured solid electrolyte and lithium metal anode for high performance solid-state battery", Electrochimica Acta, Volume 332, 2020, 135511, ISSN 0013-4686, <https://doi.org/10.1016/j.electacta.2019.135511>.
- Duraisamy, T, Barik, RK, Sholampettai Subramanian, K, **Kamakshi Selvajyothi** , "A novel SIW based dual-band power divider using double-circular complementary split ring resonators", Microw Opt Technol Lett. 2019; 61: 1529– 1533.
- K. Arun, K. **Selvajyothi**, "Variable Sampling Composite Observer Based Frequency Locked Loop and its Application in Grid Connected System," Advances in Electrical and Computer Engineering, vol.16, no.2, pp.33-42, 2016, doi:10.4316/AECE.2016.02005.

- K. Arun, K. **Selvajyothi**, Cascaded Delayed Signal Cancellation Based Variable Sampling SRF PLL, The Mediterranean Journal of Measurement and Control, Vol. 12, No. 1, pp. 511-520, January 2016, ISSN: 1743-9310.
- K Arun, K **Selvajyothi**, Single Phase Variable Sampling Phase Locked Loop using Composite Observer, Indonesian Journal of Electrical Engineering and Computer Science, vol.2, no.1, April 2016.

#### **International Conferences:**

- Arthi, Christopher. S and K. **Selvajyothi**, "Performance Enhanced 6-bit Phase Shifter in 65-nm CMOS Technology ", Asia-Pacific Microwave Conference (APMC 2020), 8-11 December, 2020 (accepted)
- Satish M, Manasa T, **Selvajyothi** K and Raja B, "Estimation of State of Charge and Terminal voltage of Li-ion Battery using Extended Kalman Filter", in the proceedings of 6th IEEE International Energy Conference (ENERGYCON), 28th September to 1st October 2020, Tunisia.
- Tharani D, Rusan Kumar Barik, Qingsha S. Cheng, **Selvajyothi** K and Karthikeyan S S, "A compact wideband SIW power divider with CSRR and slots for Ku and K band applications," International Microwave and RF Conference (IMaRC), IIT Bombay, Dec. 13-15, 2019.
- Arthi. R, Arun. K, **Selvajyothi**. K, "An Observer based FLL to Estimate the Grid Parameters of Three Phase Systems", IEEE CICT, Allahabad, Dec 6-8, 2019.
- Moupuri Satish Kumar, K. **Selvajyothi**, "Optimal Placement of Electric Vehicle Charging Stations in Radial Distribution System along with Reconfiguration", IEEE ICESIP, Chennai, July 4-6, 2019.
- Pooja Mahesh, K **Selvajyothi**, "Impersonation Detection in Online Examinations" in the proceedings of IEEE SPICES, Aug 8-10, Kollam, India, 2017.
- Ramkumar Y and **Selvajyothi** K, "Transformer Monitoring System Using IOT", in the Proceedings of International Conference on Design And Manufacturing IConDM, India, 16-17 Dec. 2016.
- Tekumatla Shivakumar, Manne Sai Sravan and K. **Selvajyothi**, "Python Based 3-Axis CNC Plotter," in the Proceedings of 6th IEEE International Conference on Power and Energy (PECON 2016), Melaka, Malaysia, 28-29 Nov. 2016.
- Ankith Vinayachandran, K **Selvajyothi**, "Modeling and Simulation of a Novel Three-Phase Observer Based on Recurrence Formula", in the Proceedings of Second International IEEE

Conference on Control, Instrumentation, Energy and Communication, 28-30 Jan. 2016,  
Kolkata, India.