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Publications – Journals

1. Venkateswaran. M, C. Govindaraju and **T. K. Santhosh** "Integrated predictive control and fault diagnosis algorithm for single inductor-based DC-DC converters for photovoltaic systems", Circuit World, vol. 1, no 1, 2020. SCI - 1.3
2. **T. K. Santhosh** and C. Govindaraju, "\"Dual Input Dual Output Power Converter with One-step-ahead Control for Hybrid Electric Vehicle Applications", IET Electrical Systems in Transportation, vol. 7, no 3, pp. 190-200, 2017. SCI - 1.010
3. **T. K. Santhosh**, K. Natarajan and C. Govindaraju, \"Synthesis and Implementation of a Multi-Port DC/DC Converter for Hybrid Electric Vehicles\", Journal of Power Electronics, vol. 15 no 5, pp. 1178-1189, 2015. SCI { 0.707 }
4. **T. K. Santhosh** and C. Govindaraju, \"Development of Predictive Current Controller for Multi-Port DC/DC Converter\", International Journal of Power Electronics and Drive Systems, vol. 6 no 4, pp. 683-692, 2015. SCI { 0.8 }
5. **T. K. Santhosh** and C. Govindaraju, \"Modelling and Simulation of Predictive Voltage Control for a Multi-Port DC/DC Converter\", Middle-East Journal of Scientific Research, vol.23, no.12, pp. 2913-2919, 2015.
6. **T. K. Santhosh** and C. Govindaraju, \"Stability Analysis and Control Design of a Four Port DC/DC Converter\", Journal of Electrical Engineering and Power Electronics, vol. 1 no 1, pp. 8-18, 2015.
7. P.Anithashalini and **T. K. Santhosh**, \"Electric Supply System with Improved Efficiency through Power Factor Correction\", International Journal of Research and Innovation in Engineering Technology, vol.02, no.3, pp. 1-7, 2015
8. **T. K. Santhosh** and C. Govindaraju, \"Inductor Current Based Fault Diagnostic System for Four Port DC/DC Converter\", International Journal of Electrical Electronics and Computer Science Engineering, vol.02, no.5, pp. 43-48, 2015
9. S.B.Ushabharathi and **T. K. Santhosh**, \"A Novel Approach for Smart Automation using Embedded System\", International Journal for Scientific Research and Development, vol.05, no.4, 2015
10. **T. K. Santhosh** and L.Manivannan, \"Ultracapacitor-based Quasi Multiple Input Converter for Transient Stability of Hybrid Electric Powertrain\", International Journal of Automobile Engineering Research and Development, Special Issue, 2017

11. K.Deepasree, S.Kalaiyarasi, B.Padmashri, C.Sasikala and **T. K. Santhosh** , Autonomous Wireless Water Distribution System", International Journal of Advanced Engineering and Research Development, vol.3, no.3, pp. 637-644, 2016.
12. S.B.Ushabharathi and **T. K. Santhosh**, \Internet of Things based Operation of Home Appliances using Embedded System", International Journal for Scientific Research and Development, vol.4, no.10, pp. 895-898, 2016.

Patents

1. **T. K. Santhosh** et al., \A system and method for AI based GPS accreditation moratorium system", Application No.201941038416A, The Patent Office Journal, no 42/2019, dated 18/10/2019, pp. 48796
2. **T. K. Santhosh** et al., \Flood Drainage System", Application No.201841042709A, The Patent Office Journal, no 47/2018, dated 23/11/2018, pp. 44339