

Faculty Profile



Name : Deepshikha Yadav
Designation : Assistant Professor
Qualifications : Ph.D.(pursuing, GGSIPU), M.Tech(GGSIPU), B.E(MDU)
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Area of Interest/Specialization: Renewable energy resources, Embedded Systems, Microprocessors and Microcontrollers, Circuit designing in PSIM and MULTISIM

Experience : 12 years

Key Publications

1. Yadav, D. and Azad, P., "Low-cost triboelectric sensor for speed measurement and weight estimation of vehicles", IET Intelligent Transport Systems, 12(8), pp.958-964, 2018.
2. Deepshikha Yadav, Puneet Azad and Rahul Vaish, "Solar energy harvesting using candle-soot-coated thermoelectric materials," Global Challenges (Wiley), vol.4, <https://doi.org/10.1002/gch2.201900080>, 2020.
3. Gupta, R., Yadav, D., Rao, M. et al. "Design and Testing of SMPS in Accordance with IEC 61000-4-11 Standard with Measurement Uncertainty", MAPAN. <https://doi.org/10.1007/s12647-021-00492-8>, 2021.

Papers presented in Conferences

1. Yadav, Deepshikha, and Vandana Nath. "A Helping Stick for the Blind Which Detects Obstacle and Locate the Current Position." In Proceedings *ICCE* 2012.
2. Yadav, D. and Azad, P., 2017, May. Design and implementation of robust low cost and low power prototype for generic counting system. In *2017 International Conference on Computing, Communication and Automation (ICCCA)* (pp. 1493-1498). IEEE.

3. D. Yadav and P. Azad, "Experimental Analysis of Power Generation for Ultra-Low Power Wireless Sensor Nodes Using Various Coatings on Thermoelectric Energy Harvester," 2019 6th International Conference on Signal Processing and Integrated Networks (SPIN), 2019, pp. 13-17, doi: 10.1109/SPIN.2019.8711483.

Awards and Recognitions

1. 1st Prize in inter college project competition 2014 by GGSIPU
2. 3rd Prize in inter college project competition 2014 by GGSIPU
3. Excellence in Research Award, 2018 by MSIT

Patent/Copyright

1. Wi-Fi based home automation system using Google assistance

Memberships of Professional bodies:

1. Lifetime member of ISTE
2. Member, IETE