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Biography

Dr. Ritula Thakur is Presently, working as Associate Professor in the Electrical Engineering Department of NITTTR, Chandigarh and has work experience of over 18 years mainly teaching at postgraduate level. Her work experience comprises of imparting training in latest cutting edge areas to teachers of Engineering Colleges, Polytechnics & Industry Professionals, teaching M.E. in Electrical Engineering, guided around 200 M.E thesis and 3 Ph.D students. Dr. Thakur has successfully coordinated 3 MOOCS Courses in SWAYAM portal in Smart Grid, developed Curriculum in Electrical Engineering, developed of Technical Instructional material in the form of videos, manuals, published more than 200 research papers in National/International Journals and Conferences, undertaken Consultancy projects related to LED designing for street lights for Municipal Corporation, Chandigarh, who received National Energy Conservation Award from Bureau of Energy Efficiency. With this, the city saved 13.02 million units of energy annually and reduced its power bills from Rs 14 crore per year to Rs 8 crore and annual reduction of 10,543 metric tonne of carbon foot prints. Having experience of organizing International Conference on Recent Advances in Electrical Engineering twice at her Institute, Dr. Ritula is also working at various administrative levels such as NBA Coordinator for department for M.E program, member of various committees of Institute. She has also delivered expert lectures at various Engineering Colleges as well as at international level such MKAI Forum. Her research interests include mainly Micro Grid and Smart Grid, Real Time modeling & Simulation of Power Systems, Embedded systems and Microcontrollers, Power Systems, PLC and SCADA, Electrical Engineering and Information Technology in Agriculture, IoT and AI in Precision Agriculture, Quality Analysis and Detection Technology in Food Materials, Sensors and Instrumentation. Dr. Thakur has worked as Visiting scholar in National Peanut Research Laboratory, Dawson and Richard Russell Research Laboratory, Athens (USA).