



About Us

Innovative Grid Services (IGS) is a Smart Grid Innovation and Power Electronics solutions company based out of IIT Kanpur. IGS specializes in solving specific challenges related to the Indian Power sector, having key focus on developing and integrating advanced technologies to improve grid efficiency, reliability, and security.

Products

Breaker Guard

- Life saving device for field workers or linemen
- Enables remote control via IoT
- Ensures safe operation with access control
- Provides simple, user-friendly interface
- Easily retrofits into existing panels



Smart Plug-Based Home Energy Management Solution

- Monitors electricity use for insights and savings
- Automates device scheduling based on tariffs or prices
- Supports demand response for flexible energy use
- Improves efficiency and lowers energy costs



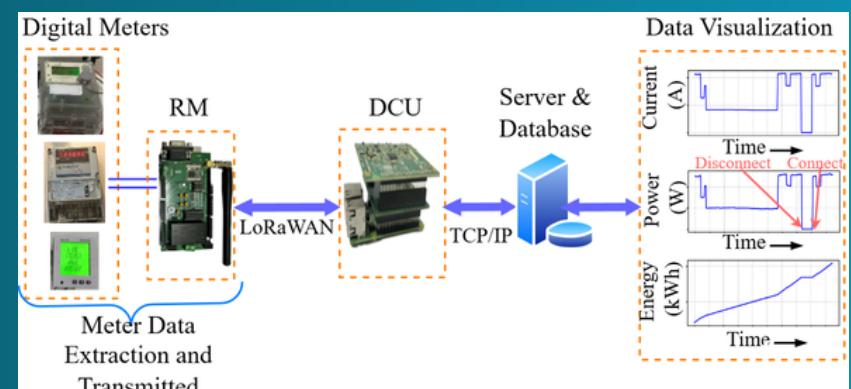
Microgrid Energy Management System

- Real-time monitoring and control of distributed energy resources
- Integration of renewables, energy storage, and traditional sources
- Demand response and peak load management
- Protection and fast recovery during grid disturbances



Add-on Communication Module-based Smart Meter

- Upgrades existing meters to smart meters
- Adds communication for remote monitoring
- Offers a low-cost modernization option
- Enables real-time tracking and data reporting



Indigenous – High Frequency Inverter

- Grid forming without battery in absence of grid
- Compact size, high efficiency with minimized losses
- SiC based switching technology and high frequency operation (60-250 kHz)
- Intentional Islanding functionality
- Enables data communication via Modbus Serial, CAN to the selected server



Team



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