

## DG CONNECTED DISTRIBUTION SYSTEM PROTECTION USING CORRELATION TECHNIQUE

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### ABSTRACT

*In the operation of any power system protective relaying plays a critical role. To isolate the power system faulted sections the protection schemes must guarantee fast, selective and reliable relay operation. Due to the increasing penetration of distributed generation (DG) and the smart grids Distribution systems are transforming from the commonly radial nature toward a Meshed and looped structure. For the protection of interconnected sub-transmission systems over current relaying scheme is the best choice regarding to technical and economical point of view*

**KEYWORDS:** Distributed Generation (DG) Directional over Current Relays, Correlation

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