

**A NOVEL MAXIMUM POWER POINT TRACKING  
OF PHOTOVOLTAIC ARRAY AND ONLINE  
DYNAMICALLY DECOUPLED CONTROL OF  
MICRO-GRID CONNECTED INVERTER**

**A THESIS**

*Submitted by*  
**VIJAYAKUMARI A**

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**FACULTY OF ELECTRICAL ENGINEERING  
ANNA UNIVERSITY  
CHENNAI 600 025**

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