

ELIMINATION OF HARMONICS IN POWER SYSTEM USING SHUNT ACTIVE FILTER

*A project report submitted in partial fulfillment of the requirements
For the award of the degree of*

BACHELOR OF TECHNOLOGY IN ELECTRICAL & ELECTRONICS ENGINEERING

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(Permanently Affiliated to Jawaharlal Nehru Technological University, Kakinada, AP)

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Tamaram, Narsipatnam, Visakhapatnam-531113

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CERTIFICATE

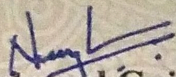
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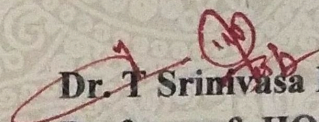
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ABSTRACT

This report presents the description and modelling of a shunt active filter for harmonics mitigation in power system. The controlling of the active shunt filter is based on the p-q theory. The simulation model of the implemented solution is presented along with the FFT analysis of the voltage and current waveforms of the source and the load using MATLAB/Simulink software.