

**INVESTIGATIONS ON PERFORMANCE
IMPROVEMENTS OF SELF BIASED
ADAPTIVE BANDWIDTH PLLs**

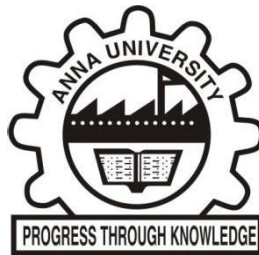
A THESIS

Submitted by

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