

**CERTAIN INVESTIGATIONS ON THE ENERGY  
AND RELIABILITY CONSTRAINTS OF  
HETEROGENEOUS WIRELESS SENSOR  
NETWORKS**

**A THESIS**

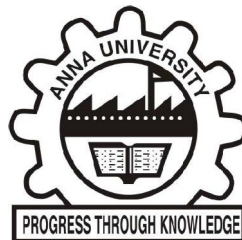
*Submitted by*

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