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GREEN COMPUTING AND ITS APPLICATIONS

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Chapter 8

**DESIGN OF AN ADAPTIVE AND FLEXIBLE
GREEN COMPUTING ARCHITECTURE FOR
MULTI-DOMAIN SOCIAL APPLICATIONS
VIA ARTIFICIAL INTELLIGENCE**

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ABSTRACT

A highly effective green computing strategy can reduce the wastage of natural resources by optimal usage of computing devices. This optimal usage includes, but is not limited to, optimum power utilization, optimal fuel consumption, optimum load distribution, etc. Finally, all these optimizations must result in reduced carbon footprints, reduced pollution, and reduced wastage for the device being optimized. A large number of

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