Hierarchical System Design

Introduction

Big Picture

Towers + Car Parking + Garden to Support 1000 Families



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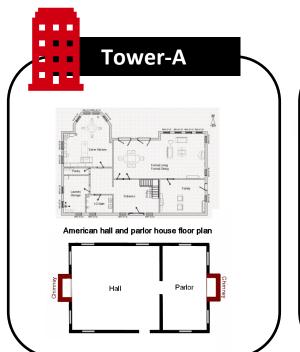
Prof. Kurian Polachan, IIIT-B

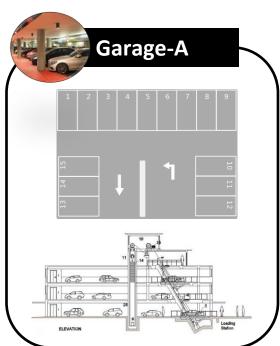
Details...



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More Details...

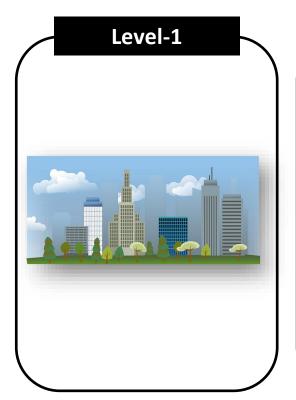


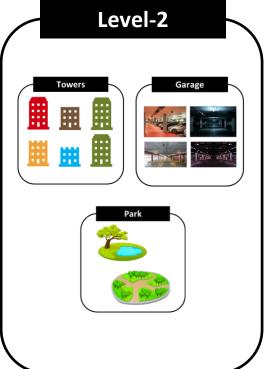


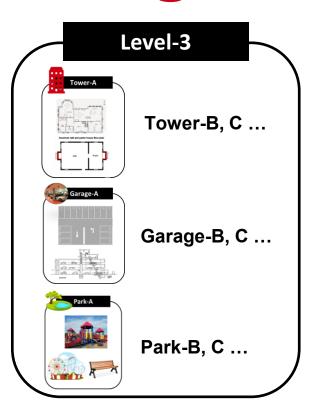


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Levels of Detailing





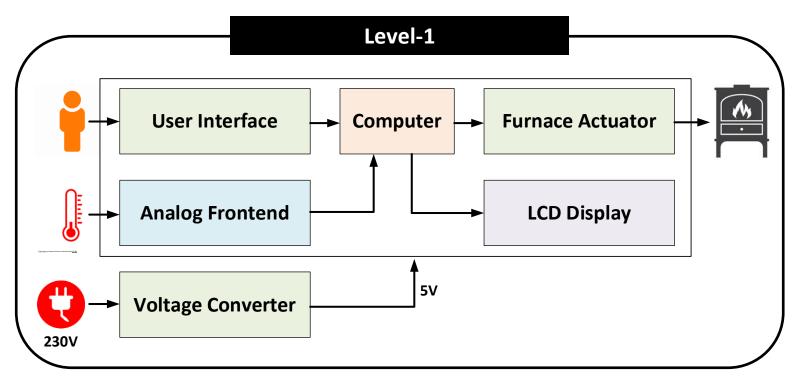


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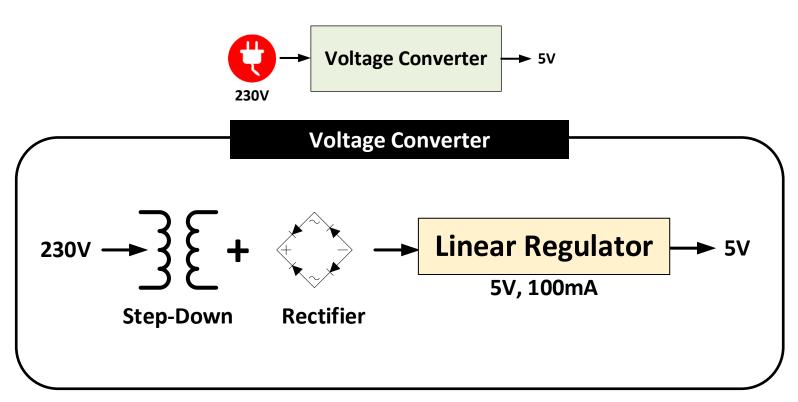
Design Steps

E.g., Thermostat

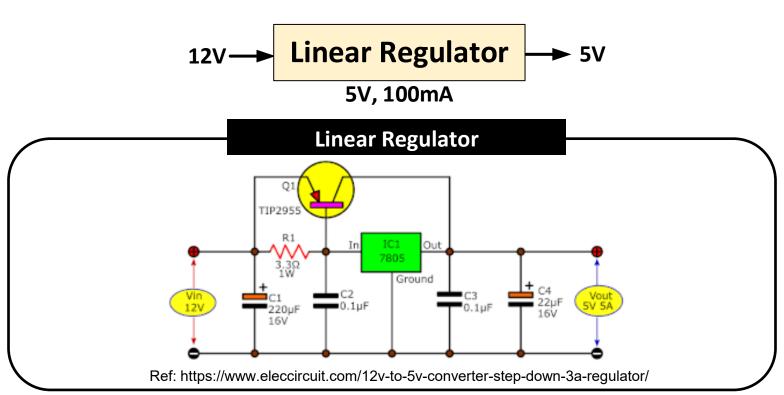
Level-1: Thermostat



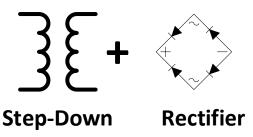
Level-2: Voltage Conv.

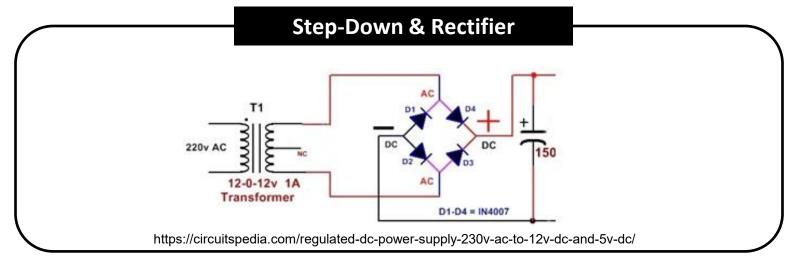


Level-3: Regulator

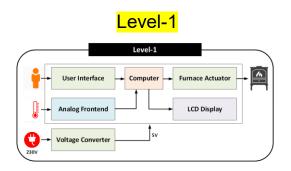


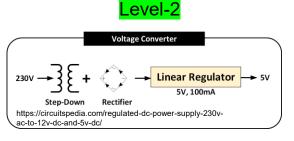
Level-3: Step-Down





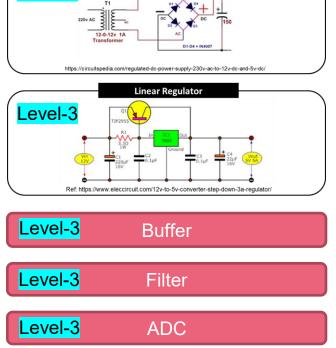
Thermostat





Level-2

e.g., Analog Frontend

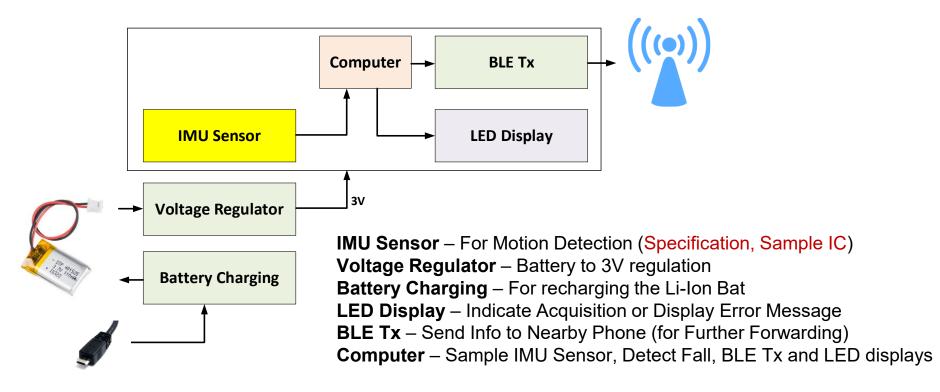


Step-Down & Rectifier

Level-3

Exercises

Fall-Detection Patch



ECG Patch

