

AUTOMETIC POWER FACTOR CORRECTION

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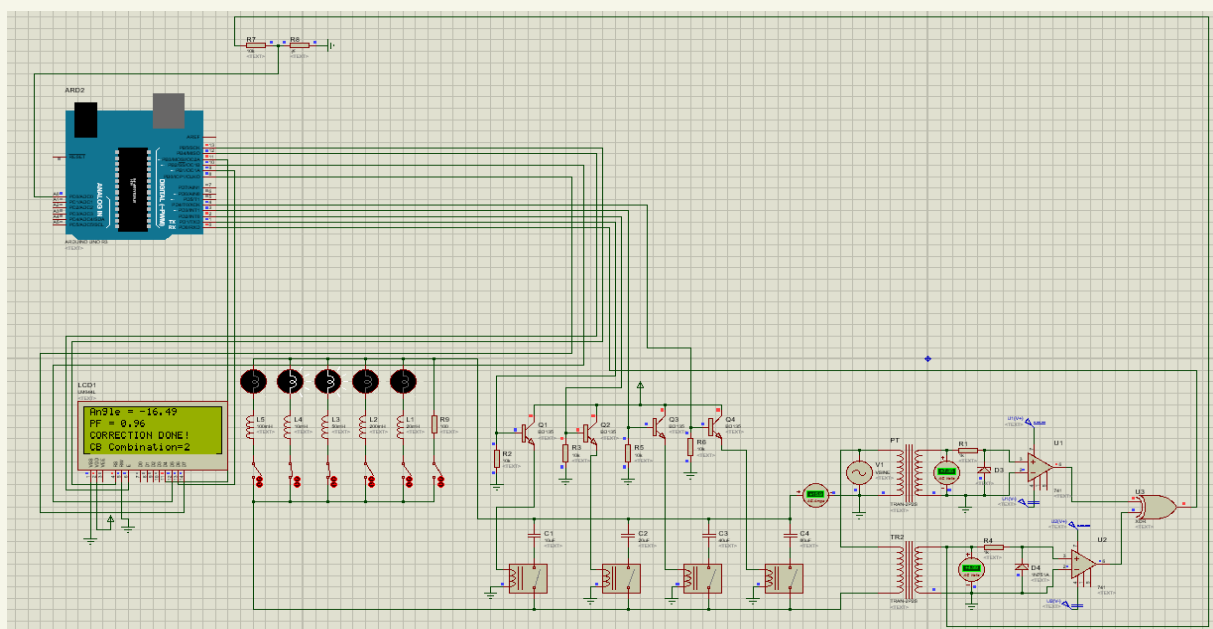
❑ Target Functionality :

To increase the efficiency of the system/device which matches the functional performance of this system ;

❑ Significant Problem :

Poor voltage regulation - In home or industry purpose;

❑ Design Consideration:



- Cost
- Quality
- Easy of use

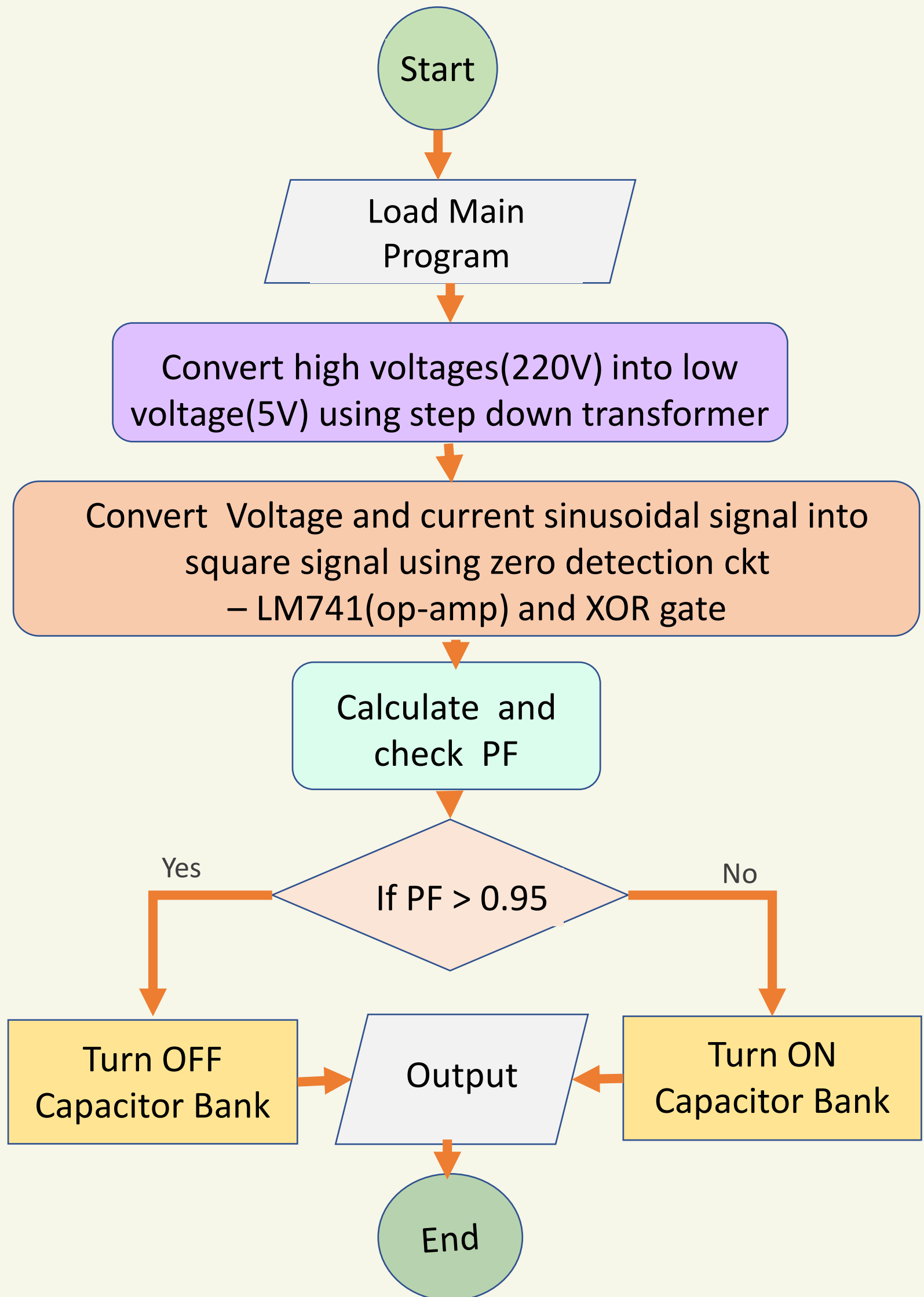
❑ Scope for Future Upgrade in functionalities or other factors :

In future it will configured by PIC microcontroller with many more functionalities;

❑ Error Tolerance:

As it is implemented as prototype for now. So it is quite tough to say error in real time build;

FLOW CHART



REFERENCES:

1. <https://www.youtube.com/watch?v=l8g-TYkc5Wo>
2. https://www.researchgate.net/publication/344718836_Automatic_Power_Factor_Improvement_using_Arduino

