`The design has to be modified such that for a specified execution time the cost of implementation has to be minimum.

This can be done by considering the cost of implementing hardware as constraint in the cost function.

This doesn’t require any modification in functional partitioning step.But in finding the performance criticality of the blocks . In this step instead of considering only the performance criticality of the blocks we also consider the cost of implementing a particular block in customized hardware. After this step instead of calculating the execution-time criticality of this blocks we have to calculate Implementation-cost of each block if it is implemented in HW and form an cost function out of it.