Disadvantages of the Super-Loop Concept

Time-critical operations must be processed within interrupts (ISR)
ISR functions become complex and require long execution times
ISR nesting may create unpredictable execution time and stack
requirements

Data exchange between *Super-Loop and ISR is via global shared variables*Application programmer must ensure data consistency

A Super-Loop can be easily synchronized with the System timer, but:

If a system requires several different cycle times, it is hard to implement
Split of time-consuming functions that exceed Super-Loop cycle

Creates software overhead and application program is hard to understand Super-Loop applications become complex and therefore hard to extend A simple change may have unpredictable side effects; such side effects are time consuming to analyze.