Start

↓

Specify System
Requirements

↓

Specify Application
Platform
(Co-Specification)

↓

Partition and Map
Application Tasks to the
Platform Resources

↓

Schedule Execution Order

↓

Model (Co-simulate)
System Functionality

↓

No ←— Do I meet System
Requirements?

↓ Yes

Implement (Code) Tasks

↓

Verify Functionality (Co-
verification)

↓

No ←— Do I meet System
Requirements?

↓ Yes

Done

Embedded System Design Methodology