1. **F** Production efficiency: OEE >= 90% overall
2. **F** standard working hours 2 shifts/day, 48 weeks/year
3. **F** product\_transit\_time/production\_time < layout\_eff % [throughput]
4. **F** regular and reliable raw material order patterns with a < 10% variation
5. **F** Safety Stock: < n %, not more than n % of the ordered raw materials is unused
6. **F** Quality: Cpk > 1.5 (the ability of a process to produce output within specification limits)
7. **F** Material Usage Efficiency: less than r% wasted product and material == (shaft less than 600 for agriculture part). Statistical analysis and rework allocation
8. **F** horizontal displacement of boom tip <= 4mm

**Unit Testing:** Subsystem testing

**Integration Testing:** Testing the interfaces

**System Testing:** Testing the performance of the entire system

T1: measure the cycle time for 1, 2, 3

T2:

T3:

T4: