Lean – Method
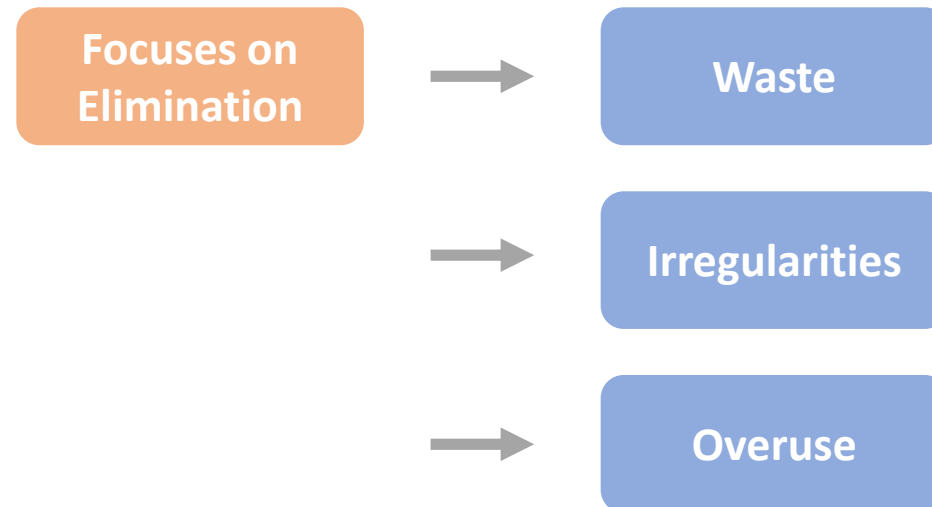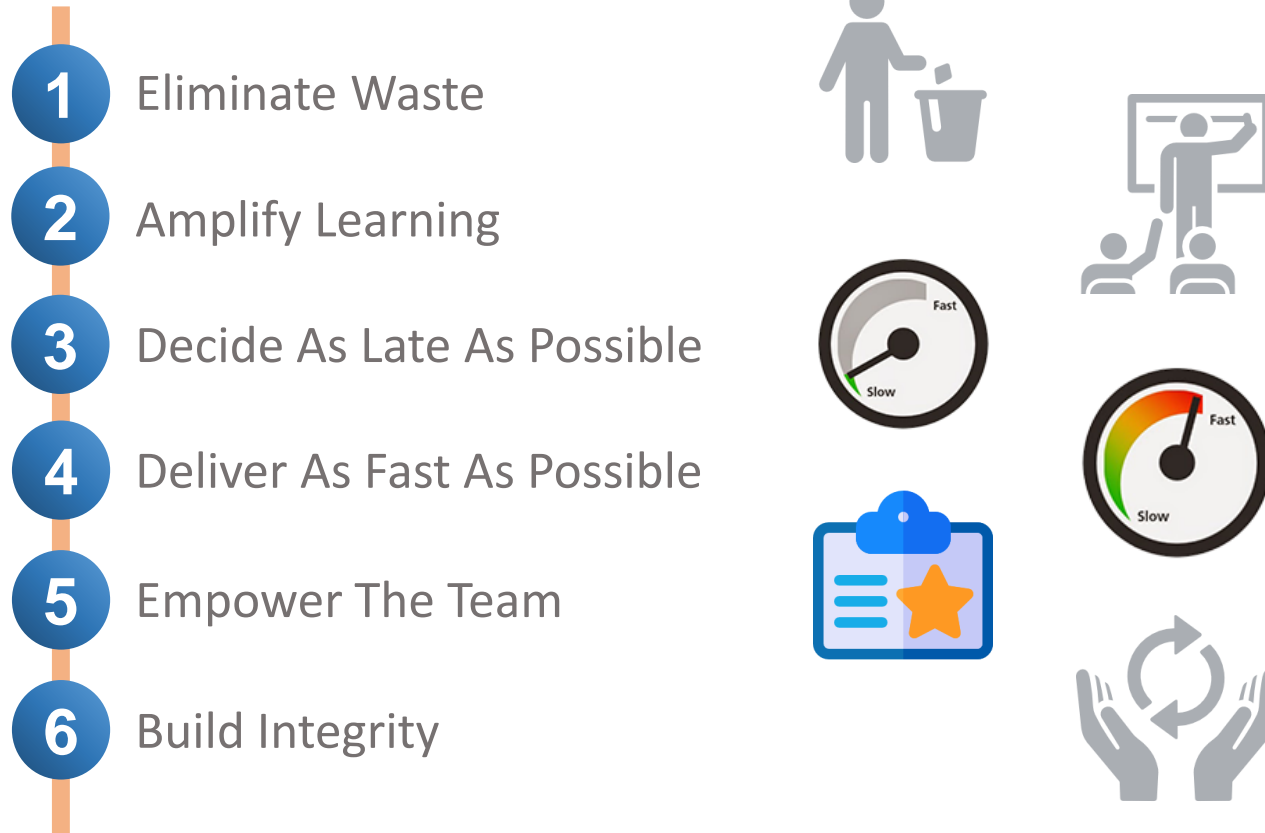
✔ Genesis in Lean Manufacturing

✔ Originated with Toyota Production System

✔ Tom and Mary Poppindieck applied lean manufacturing to software development

Focuses on Elimination	→	Waste
→	Irregularities
→	Overuse

Lean – Method

Lean Principles

1 Eliminate Waste

2 Amplify Learning

3 Decide As Late As Possible

4 Deliver As Fast As Possible

5 Empower The Team

6 Build Integrity

Lean – Method

Lean Software Development

Different Forms of Waste

Waste can constitute up to 90% of a process

Waste types in software development:

✔ **Over Production –** Extra features

✔ **Excess Inventory –** Partially completed work

✔ **Unnecessary Processing –** Extra processes

✔ **Unnecessary Movement of Goods –** Tasks switching

✔ **Unnecessary Movement of People –** Endlessly switching resources across teams