TRADITIONAL VS LATEST METHODOLOGIES
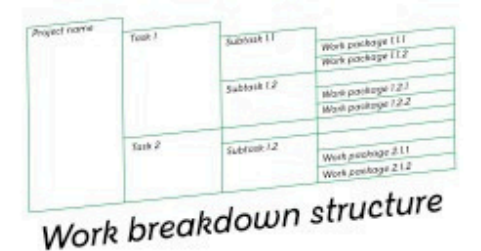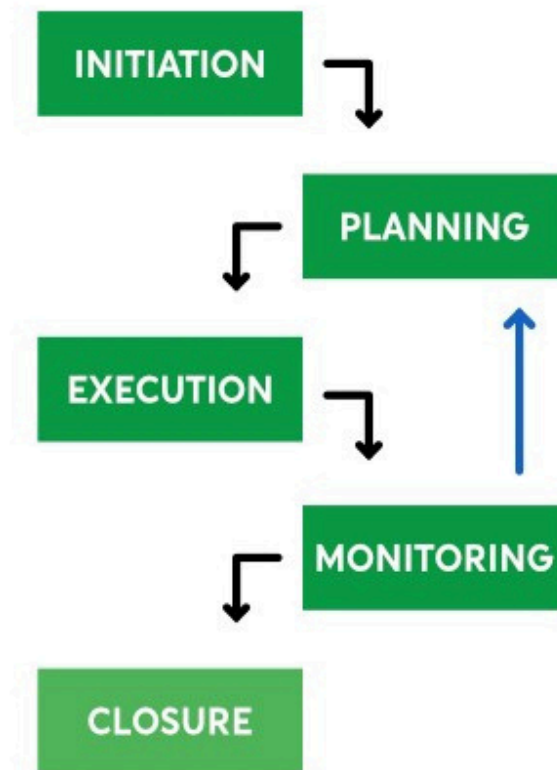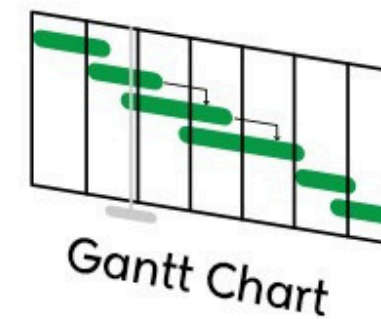
By,
Thirumalini R

Traditional Methodologies

Objectives:

- **Process**
- **Advantages & Drawbacks**

Traditional Methodologies Example

Waterfall model

Objectives

- Plan Everything Upfront
- Predictable, Linear Process
- Deliver Full Product at the End

Requirements Analysis

Design

Development

Testing

Maintenance
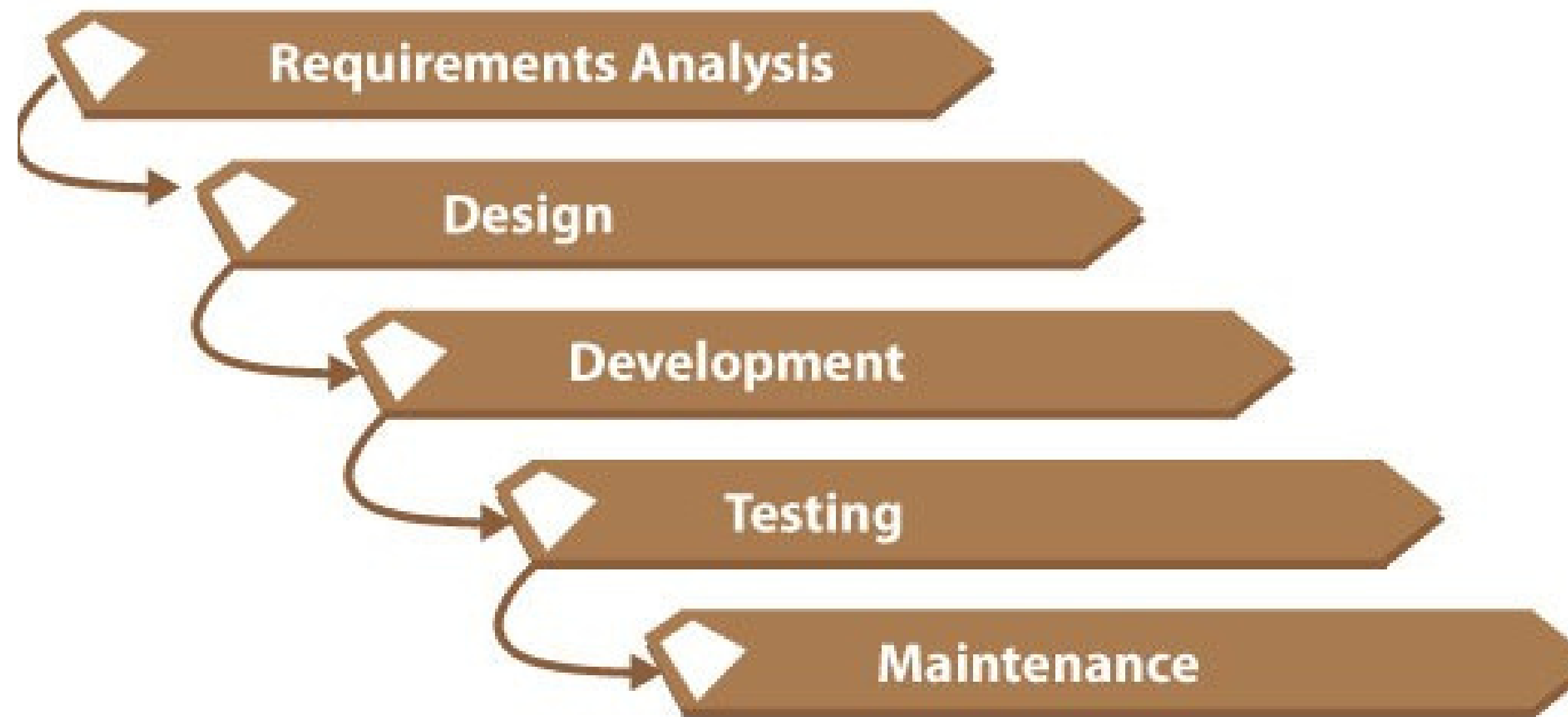
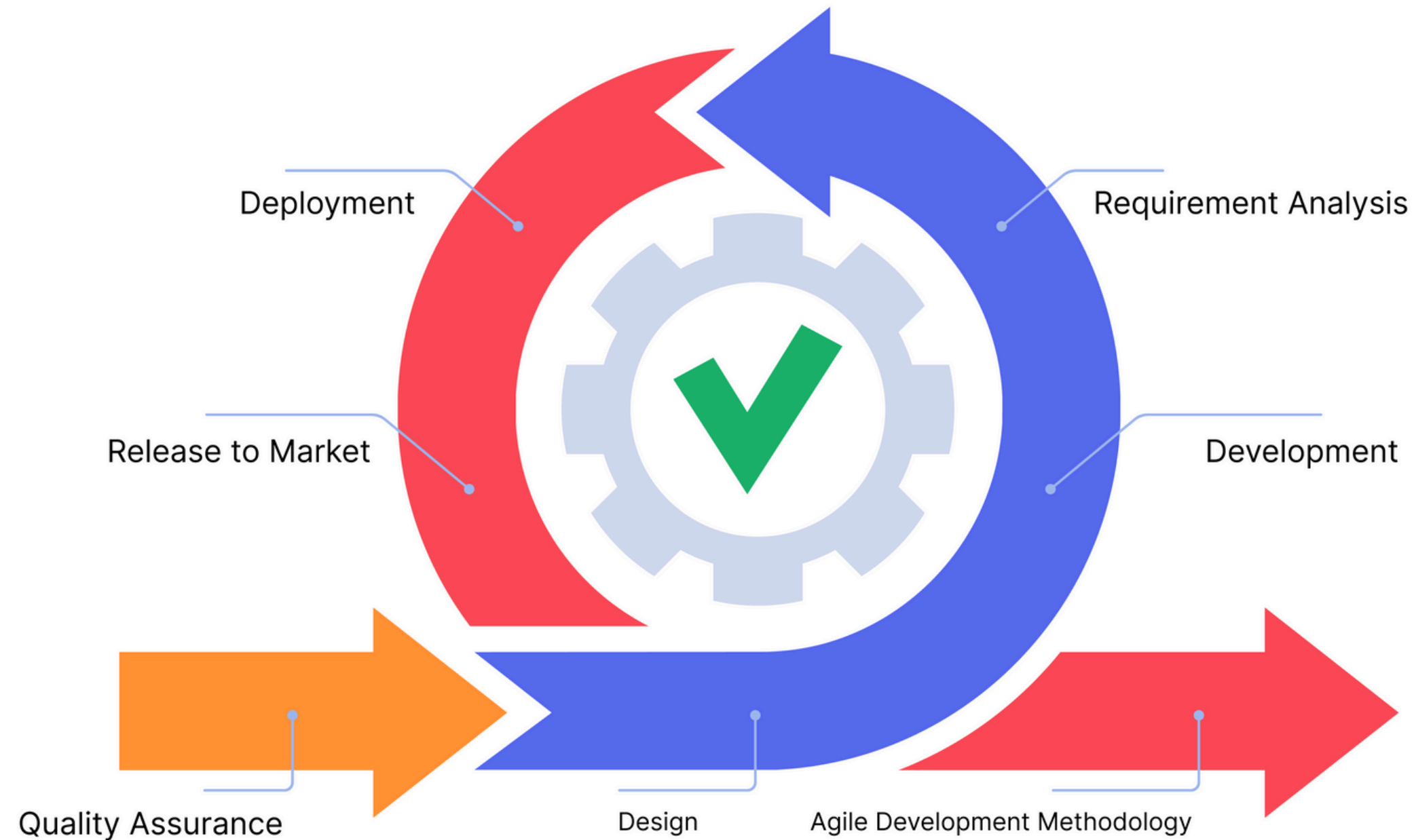# Pros & Cons of Traditional Methods

Advantages

- Clear Structure
- Good for Fixed Requirements
- Easier to Manage Early

Drawbacks

- Inflexible to Change
- Late Testing, Late Feedback
- Higher Risk of Failure

Latest Methodologies
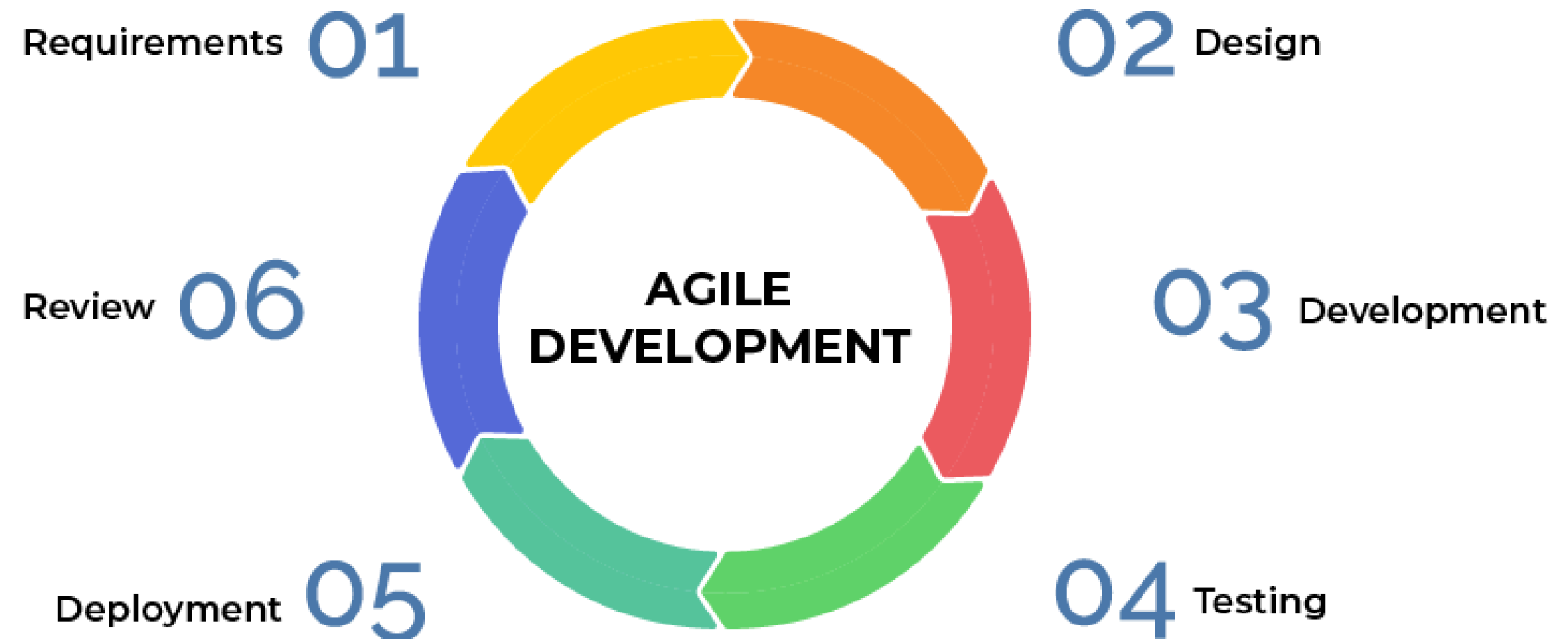
- Agile
- Scrum
- Modern Practices

Latest methodologies example
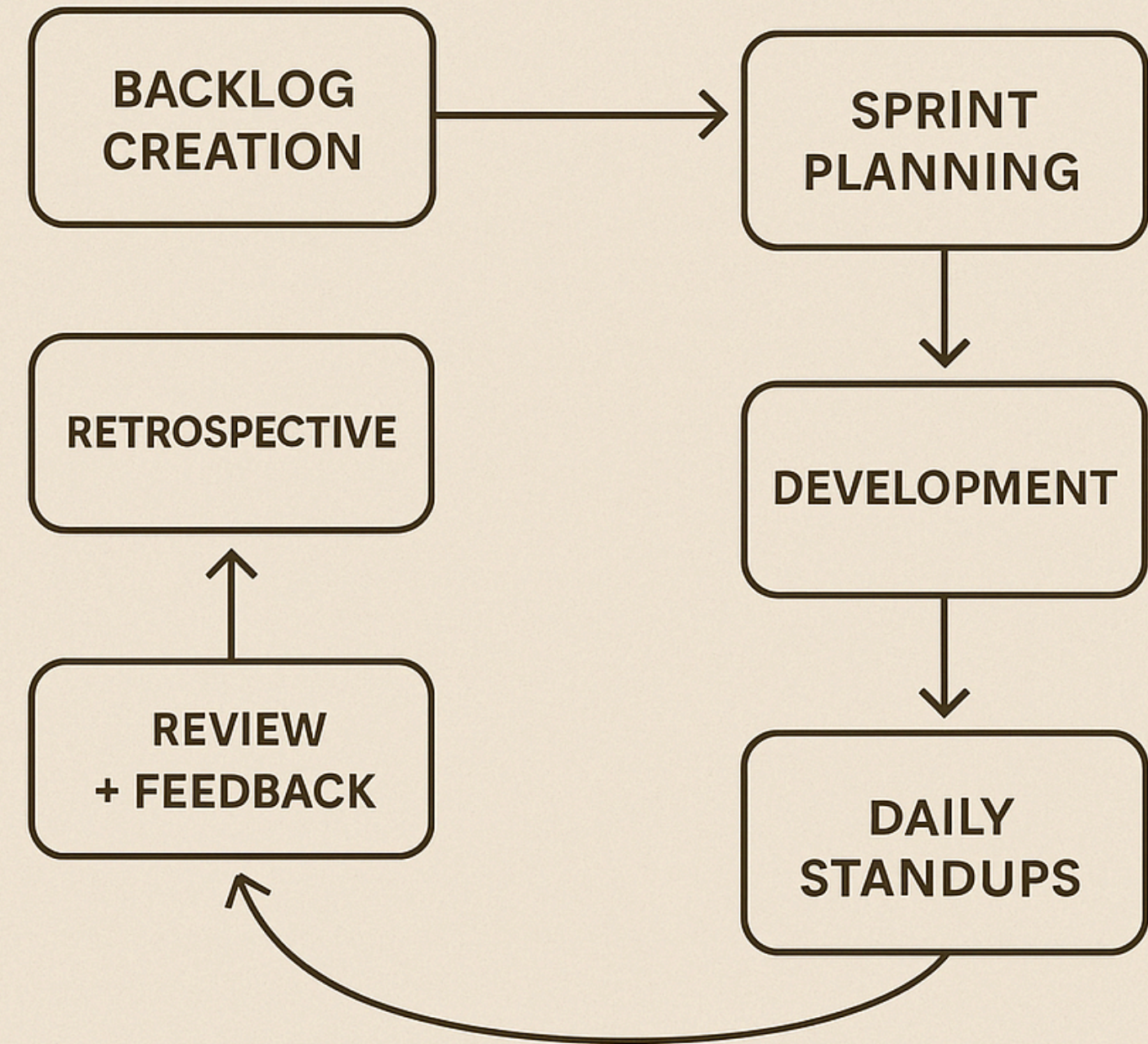
Agile:

Objective of Agile

- Respond Quickly to Change
- Deliver Working Software Fast
- Collaborate with Customers Regularly

Requirements 01

02 Design

06 Review

AGILE DEVELOPMENT

03 Development

Deployment 05

04 Testing

Flowchart of Agile

AGILE PROCESS FLOW

```
BACKLOG          ────→     SPRINT
CREATION                   PLANNING
                              │
                              ▼
RETROSPECTIVE              DEVELOPMENT
    ▲                         │
    │                         ▼
REVIEW          ←──────    DAILY
+ FEEDBACK                 STANDUPS
```

How Modern Methods Overcome Traditional Drawbacks

Traditional Drawback	Modern Solution
• Inflexibility	• Agile Iterations
• Late Testing	• Continuous Integration
• Fixed Scope	• Evolving Backlog
• Lack of Feedback	• Customer Involvement

Thank you!