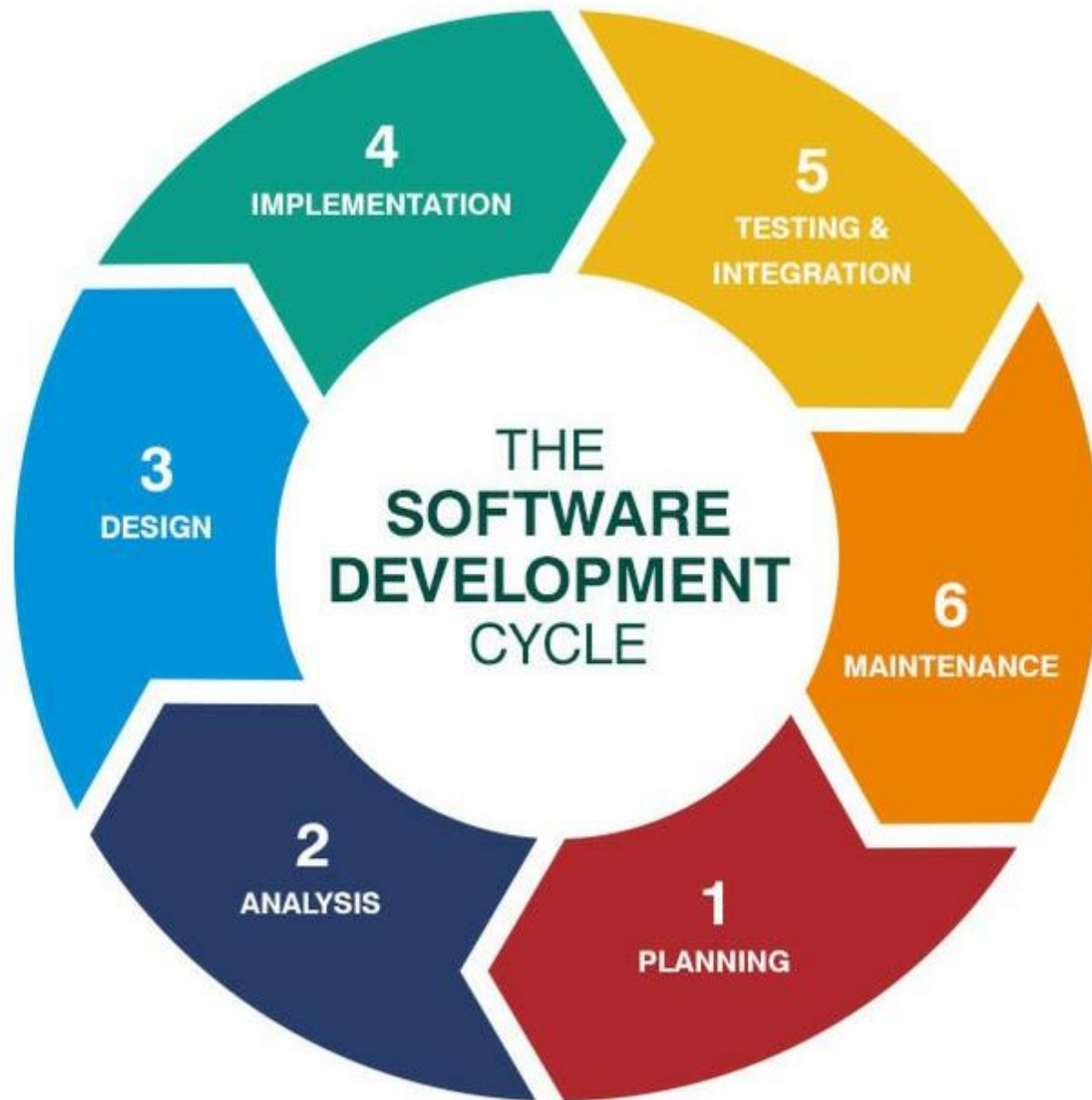


# Software Development Life Cycle (SDLC)

- **1. Feasibility Study / planning**
- **2. Requirement gathering and analysis**
- **3. Design**
- **4. Implementation / Coding**
- **5. Testing**
- **6. Delivery / Deployment / Maintenance**



# Feasibility Study / planning

- Business Design Development (BDD)

# Requirement gathering and analysis

- Software Requirements Specification (SRS)
- functional and non functional requirements
- User Experience (UX) Design
- User Interface (UI) Design /

# Technical Design

- Systems Design
- High Level Design (HLD) -> Load Balancing, Proxies, Caching, Horizontal & Vertical Scaling
- Low Level Design (LLD) -> OOD,UML & Design Patterns

# Implementation / Coding

- IDE
- Code
- White Box Testing-> Unit Testing ,Integration Testing
- Test Driven Development (TDD)
- Refactor code
- Version control -> git
- Continuous Integration (CI)

# Testing

- Black Box Testing-> Acceptance Testing , System Testing
- Bug Tracking
- Bug Reporting

# Delivery / Deployment / Maintenance

- Alpha and Beta Testing
- Cloud Server