

# Excerpt from ZOOM MEETING: 02 (15-Feb-2023)



PMG 622

Agile Project Management



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دكتور مهندس استشاري ادارة المشروعات

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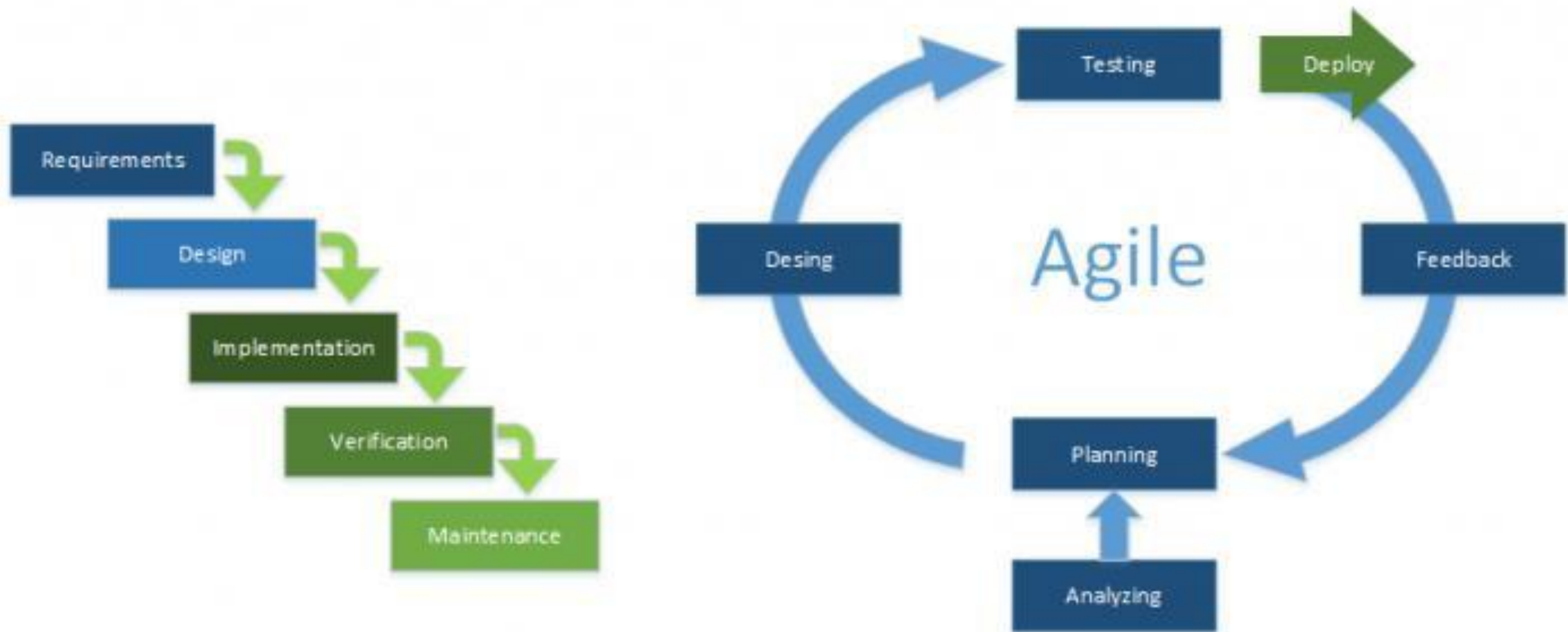
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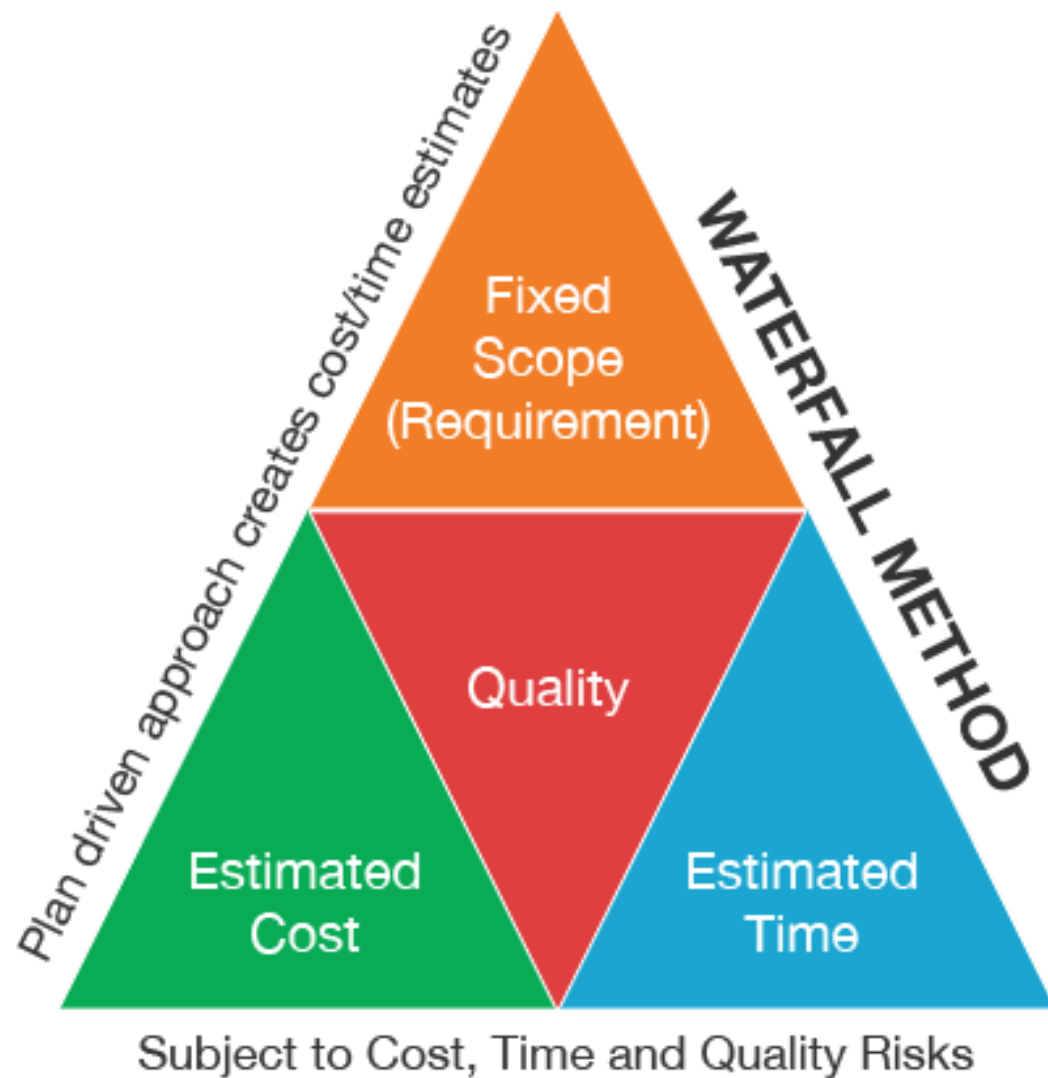
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# NON-AGILE (NON-ADAPTIVE) APPROACHES

- **Predictive**
- Linear
- Waterfall
- Plan-driven
- Serial

# Waterfall vs. Agile





# Agile Vs Waterfall



## Agile Project Management

- The focus is on the team, adapting to change, and progressive elaboration
- Risk decreases as time passes
- Planning is done iteratively
- Change is encouraged and could help the project
- The main goal is to deliver value

## Traditional Project Management

- The focus is on the project, planning, stakeholders, and a fixed scope
- Risk increases as time passes
- All planning is done up front
- Change is detrimental and could derail the project
- The main goal is to deliver the project

# TYPES OF PM LIFECYCLES

- **Predictive life cycle.** A more traditional approach, with the bulk of planning occurring upfront, then executing in a single pass; a sequential process.
- **Iterative life cycle.** An approach that allows feedback for unfinished work to improve and modify that work.
- **Incremental life cycle.** An approach that provides finished deliverables that the customer may be able to use immediately.
- **Agile life cycle.** An approach that is both iterative and incremental to refine work items and deliver frequently.

# CHARACTERISTICS OF FOUR CATEGORIES OF LIFE CYCLES



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| Characteristics |              |                                       |                             |                                                     |
|-----------------|--------------|---------------------------------------|-----------------------------|-----------------------------------------------------|
| Approach        | Requirements | Activities                            | Delivery                    | Goal                                                |
| Predictive      | Fixed        | Performed once for the entire project | Single delivery             | Manage cost                                         |
| Iterative       | Dynamic      | Repeated until correct                | Single delivery             | Correctness of solution                             |
| Incremental     | Dynamic      | Performed once for a given increment  | Frequent smaller deliveries | Speed                                               |
| Agile           | Dynamic      | Repeated until correct                | Frequent small deliveries   | Customer value via frequent deliveries and feedback |