

Presentation Topic

Software Engineering and Project Management

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(An Autonomous Institute affiliated to Savitribai Phule Pune University)
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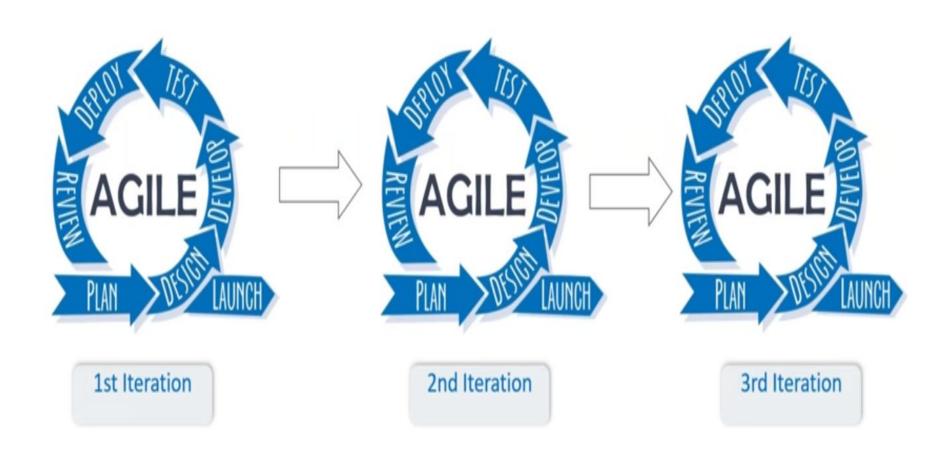


Agile Software

- ✓An Introduction to Agile Design,
- ✔ Phases and Life cycle of Agile,
- ✓ Agile design principles,
- ✓ Agile design methodology: benefits and conditions.
- ✓ Introduction to Scrum, Extreme Programming.
- ✓ JIRA



What is Agile





What is "Agility"?

- Effective (rapid and adaptive) response to change
- Effective communication among all stakeholders
- Drawing the customer onto the team
- Organizing a team so that it is in control of the work performed

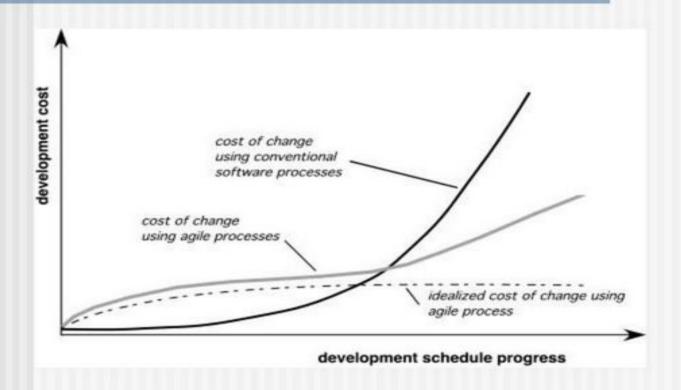
Yielding ...

Rapid, incremental delivery of software

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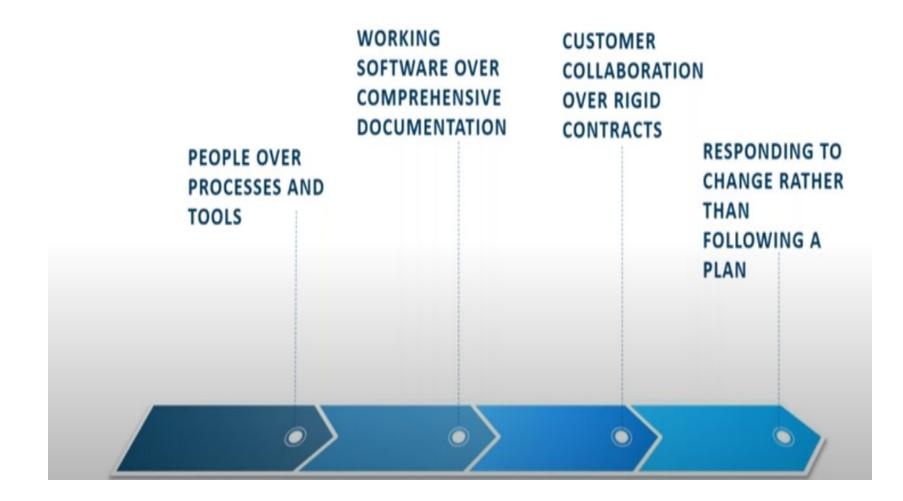
Agility and the Cost of Change



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Values of Agile





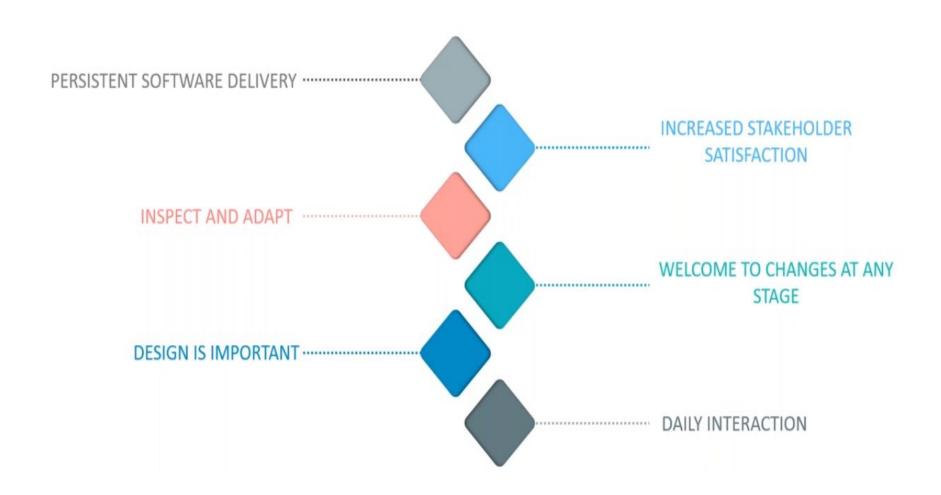
Principles of Agile







Advantages of Agile





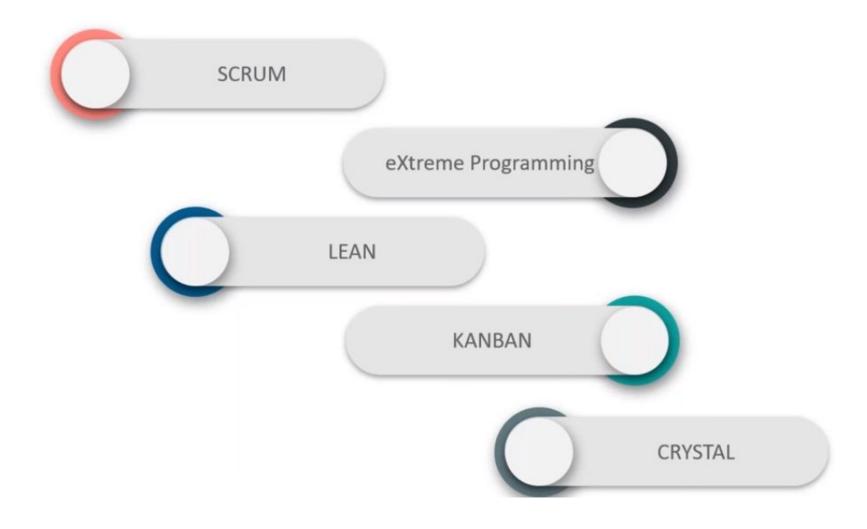
An Agile Process

- Is driven by customer descriptions of what is required (scenarios)
- Recognizes that plans are short-lived
- Develops software iteratively with a heavy emphasis on construction activities
- Delivers multiple 'software increments'
- Adapts as changes occur

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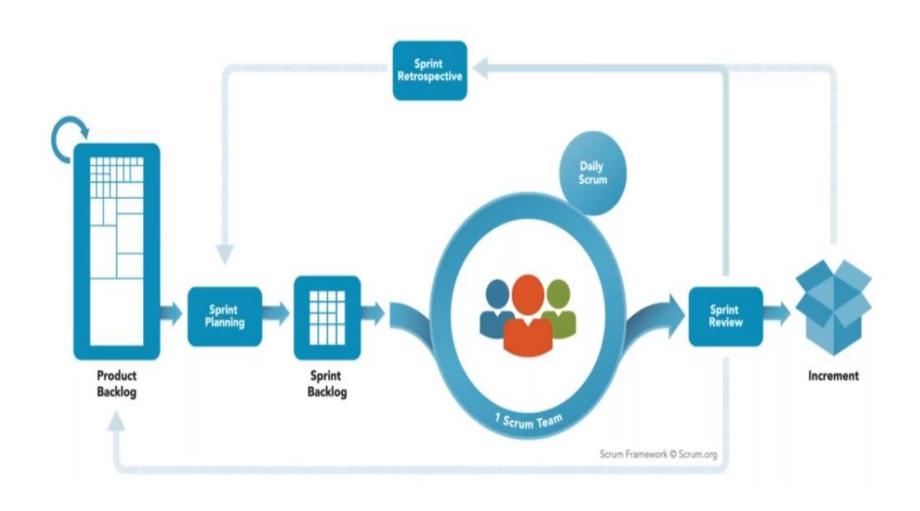


How to Implement Agile





SCRUM





Conclusions

- The professional goal of every software engineer, and every development team, is to deliver the highest possible value to our employers and customers.
 - And yet, our projects fail, or fail to deliver value, at a dismaying rate.
- Though well intentioned, the **upward spiral of process inflation** is culpable for at least some of this failure.
- The principles and values of agile software development were formed as a way
 - to help teams break the cycle of process inflation, and
 - to focus on simple techniques for reaching their goals.
- At the time of writing this there were many agile processes to choose from. These include
 - SCRUM,
 - Crystal,
 - Feature Driven Development (FDD),
 - Adaptive Software Development (ADP), and most significantly,
 - Extreme Programming (XP).
 - Others...