

CM-2603 Data Science Group Project

Project Management

Week 08 | Prasan Yapa | Sriyan Fernando

Learning Outcomes

- Covers LO1 for Module
- On completion of this lecture, students are expected to be able to:
 - Identify the different project management methodologies.

CONTENT

- What is Project Management?
- Methodologies
- Working as a Team
- Introduction to Agile and Scrum

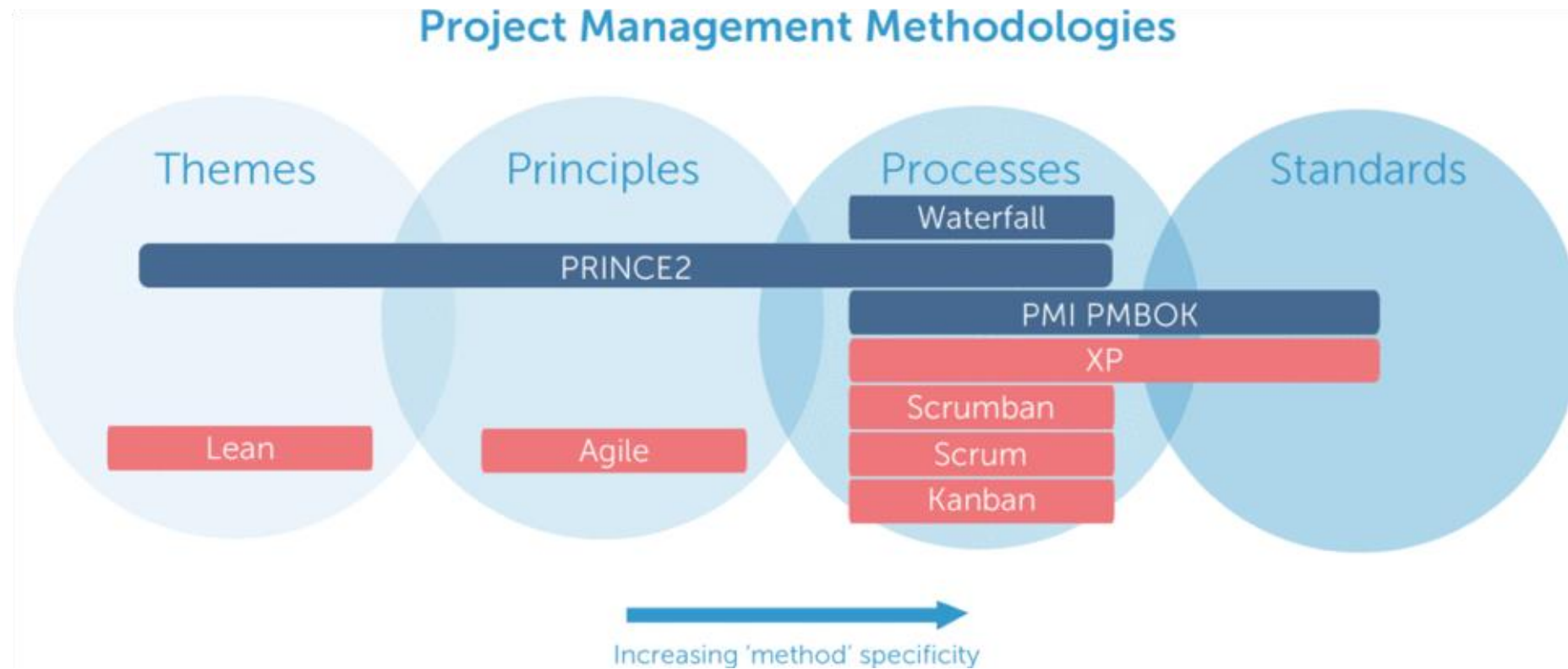
What is Project Management?

- Project management is the practice of initiating, planning, executing, controlling, and closing the work of a team to achieve specific goals and meet specific success criteria at the specified time. The primary challenge of project management is to achieve all of the project goals within the given constraints.



● Topics in the Project Management chapter

- Methodologies
 - Research Approach
 - Process Model
 - Analysis and design approach
 - Testing methodology
 - Project management method
 - Agile, Scrum, Kanban
 - Waterfall
 - PRINCE2



Topics in the Project Management Methodologies

- Data Gathering Methods
- Activity Schedule
- Work Breakdown Structure
- Gantt Chart

Working as a Team

- Have a clear goal
- Respect other people's opinions
- Make decisions as a team



Collaboration tools used in the industry

- Slack
- Microsoft Teams
- Asana
- Google Meet
- Google Docs
- Trello
- Jira

Agile VS Scrum

SCRUM

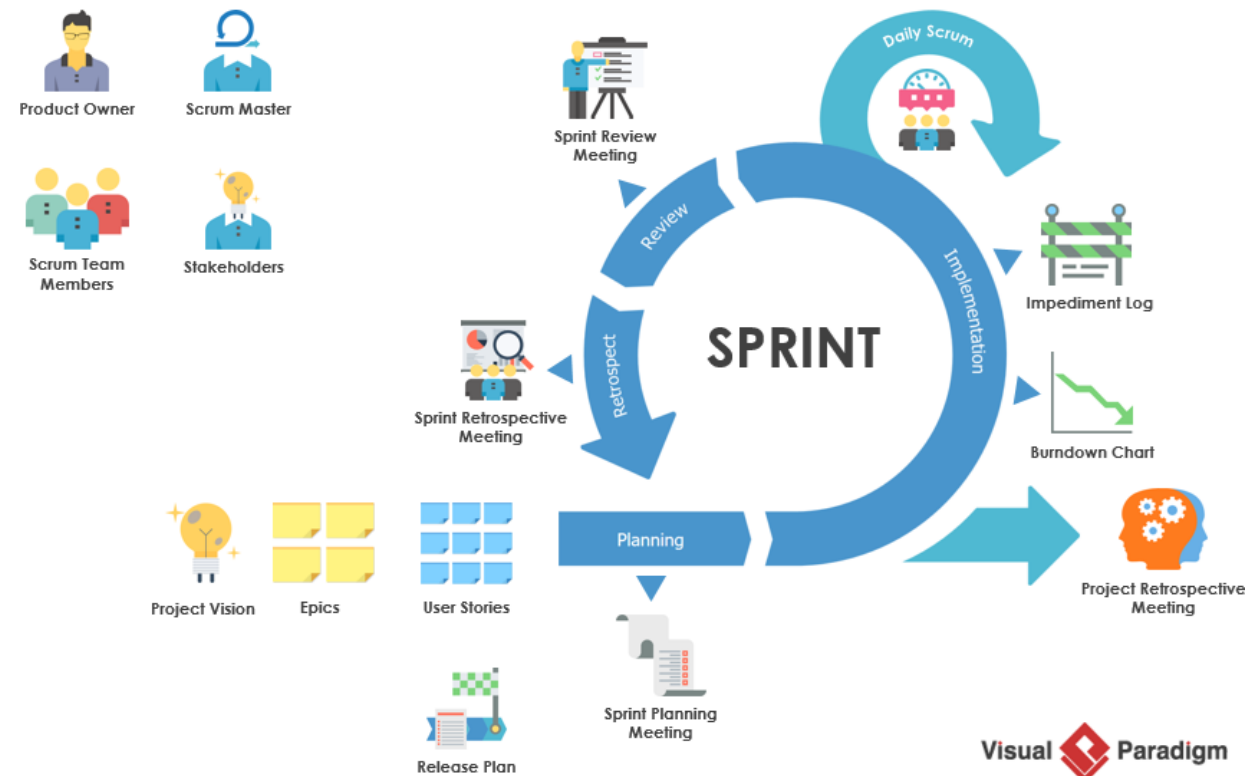
A framework that makes for **effective collaborations** among teams that are working on **complex products**.

AGILE

A **process** that allows a team to more efficiently manage a project by **breaking it down** into several stages,

Introduction to Agile/Scrum

The Agile – Scrum Framework



Advantages :

- Flexibility and adaptability
 - Receiving continuous feedback, can iterate quickly
- Creativity and innovation
 - Can fail fast
- Team satisfaction
 - Visibility of progress helps morale

Following a schedule

- Set deadline.
- Team leader monitor the progress.
- Have a buffer time.