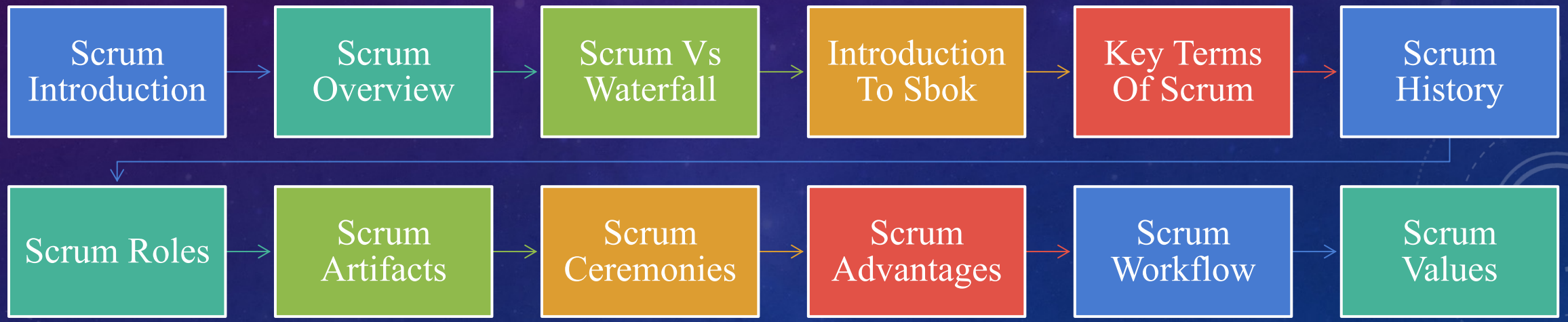
INTRODUCTION TO SCRUM

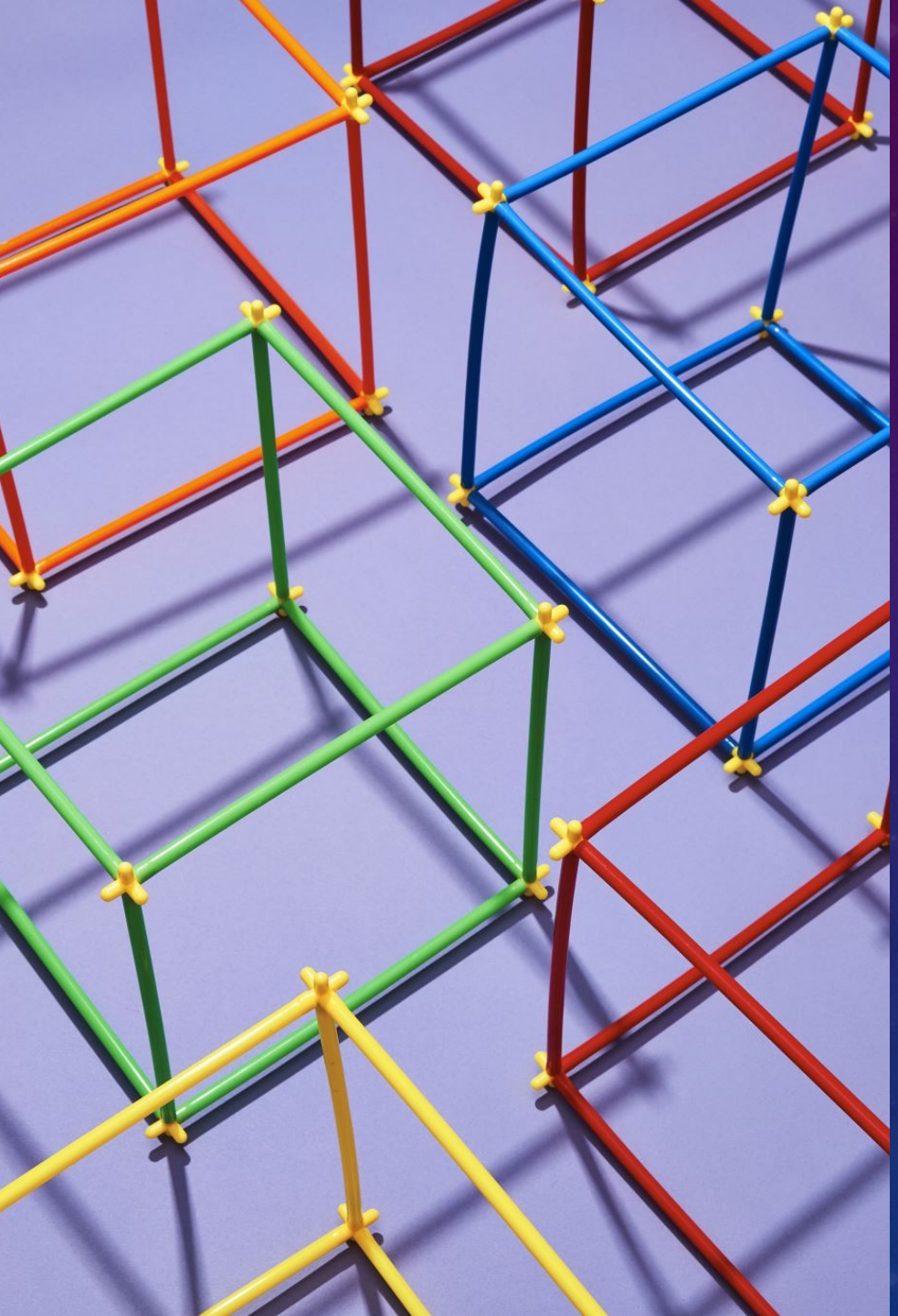
SYED ALI SHAN, MS-SPM

LONG LIST OF ITEMS TO DISCUSS !



INTRODUCTION

- **What is Scrum**
  - Scrum is one of the most popular Agile Frameworks.
  - Scrum A framework within which people can address complex adaptive problems.
  - While productively and creatively delivering products of the highest possible value.



SCRUM IS AN AGILE FRAMEWORK

What is a FrameWork - ?

- A support structure or system that holds parts together
- Has something stretched over it or acts as the main structure.
- Example an outline created before writing an essay.
- Software framework. It provides a foundation on which software developers can build programs.
- Code libraries
- Other examples please?

Developed by Hirotaka Takeuchi and Ikujiro Nonaka

Described an innovative approach

Based on manufacturing case studies from different industries

SCRUM HISTORY

- “Rugby” approach
- Product development should not be like a sequential relay race, but rather should be
- **2013 -** A Guide to the Scrum Body of Knowledge (SBOK™ Guide) First Edition is released. It is developed with the help of more than 52 subject matter experts from over 10 countries.
- **2015 -** A Guide to the Scrum Body of Knowledge (SBOK™ Guide) Second Edition is released.
- **2017 -** A Guide to the Scrum Body of Knowledge (SBOK™ Guide) Third Edition is released with detailed sections on Scaling Scrum for Large Projects and the Enterprise

SCRUM IS

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BENEFITS OF SCRUM

Scrum ensures transparency in communication

Creates an environment of collective accountability

Continuous progress.

SCRUM HAS SPRINTS

Sprints – Short time spans, in which a certain amount of work has to be done.

Could range from 1-6 weeks

Normally 2-4 weeks

KEY BENEFITS OF SCRUM

Adaptable

Open to incorporating change when it occurs.

Embrace Change

Customer Centric

KEY BENEFITS OF SCRUM

Continuous Delivery of Value

Early delivery of high value

Continuous Feedback

Daily Standups / Demos

KEY BENEFITS OF SCRUM

- Tranparency
- Standups
- BurnDown Charts
- Retrospect

KEY BENEFITS

EFFICIENT DEVELOP PROCESS

TIME BOXING

MINIMIZING NON EFFICIENT WORK

MOTIVATION

KEY BENEFITS

- Innovative Environment
- Idea Generation
- Each person gets to have his say
- QA/Devs can suggest ideas
- Improvements
- Creative Work

KEY BENEFITS

High trust work environment

Low friction

Credit Giving system !

PHASES AND PROCESSES

Scrum has 5 Phases

Scrum has 19 processes

The 19 processes are divided into the 5 phases

Scrum Phases and Processes

Phase	Fundamental Scrum Processes
Initiate	1. Create Project Vision 2. Identify Scrum Master and Stakeholder(s) 3. Form Scrum Team 4. Develop Epic(s) 5. Create Prioritized Product Backlog 6. Conduct Release Planning
Plan and Estimate	1. Create User Stories 2. Estimate User Stories 3. Commit User Stories 4. Identify Tasks 5. Estimate Tasks 6. Create Sprint Backlog
Implement	1. Create Deliverables 2. Conduct Daily Standup 3. Groom Prioritized Product Backlog
Review and Retrospect	1. Demonstrate and Validate Sprint 2. Retrospect Sprint
Release	1. Ship Deliverables 2. Retrospect Project