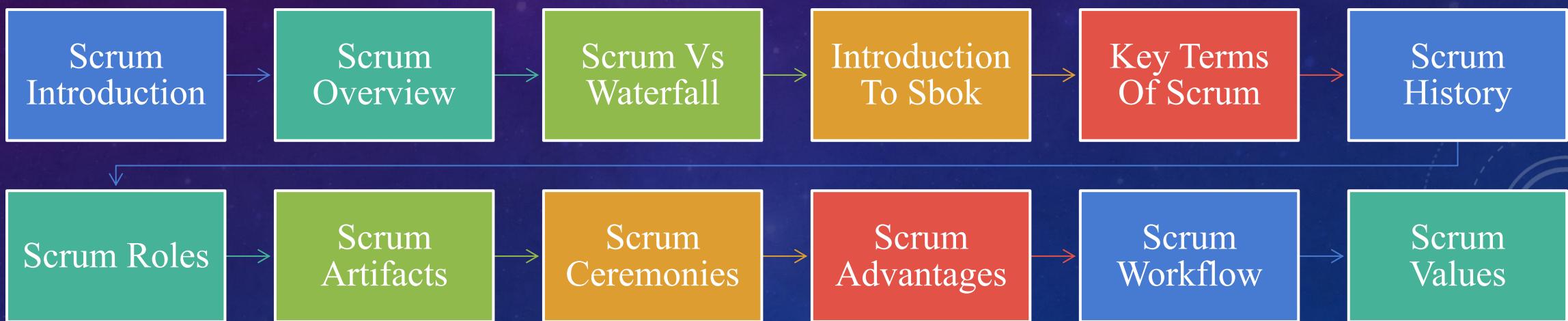


# INTRODUCTION TO SCRUM

SYED ALI SHAN, MS-SPM

# LONG LIST OF ITEMS TO DISCUSS !







# INTRODUCTION

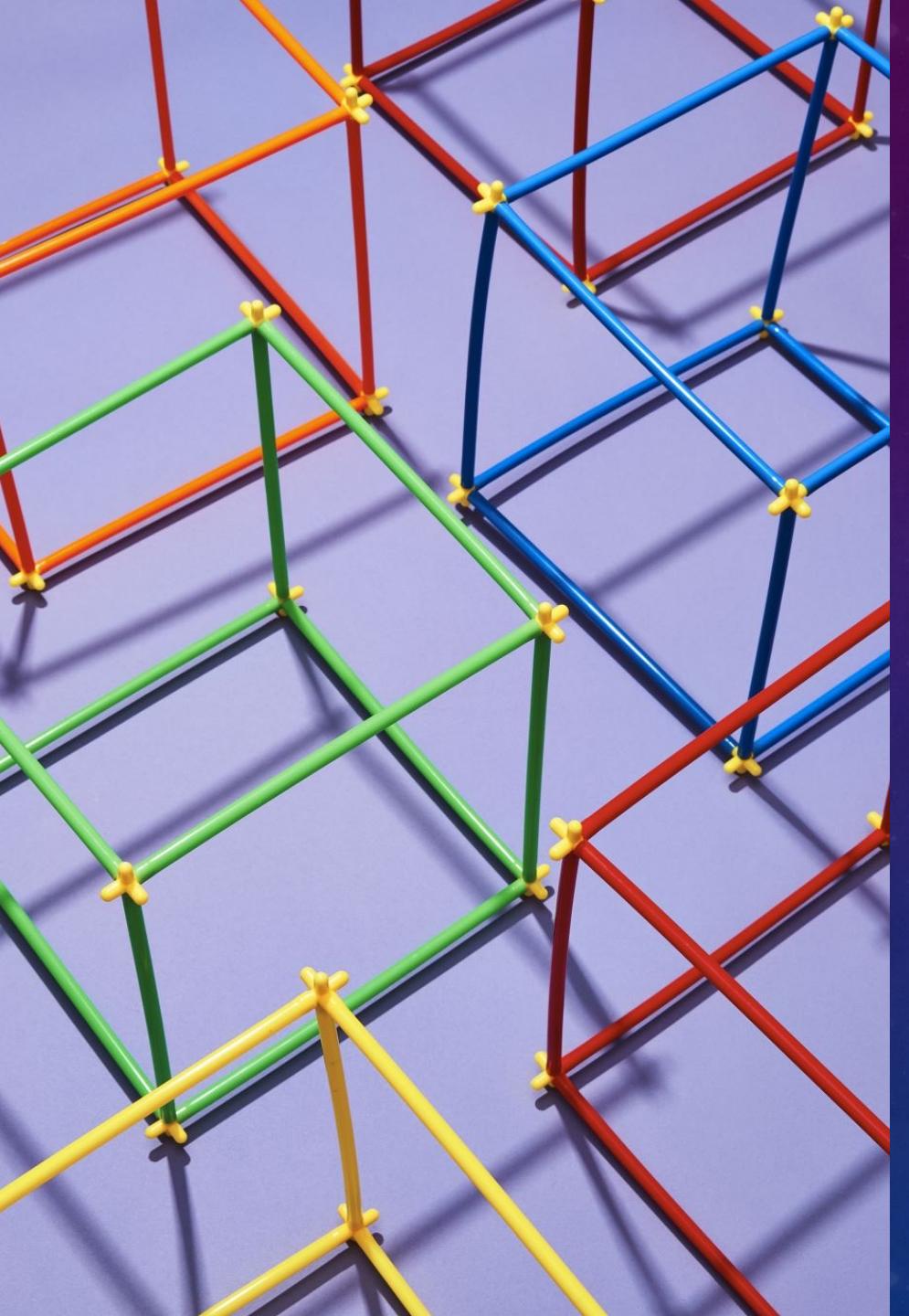
- **What is Scrum**

- 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.



# FRAMEWORK

WHAT IS A FRAMEWORK?



# 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?

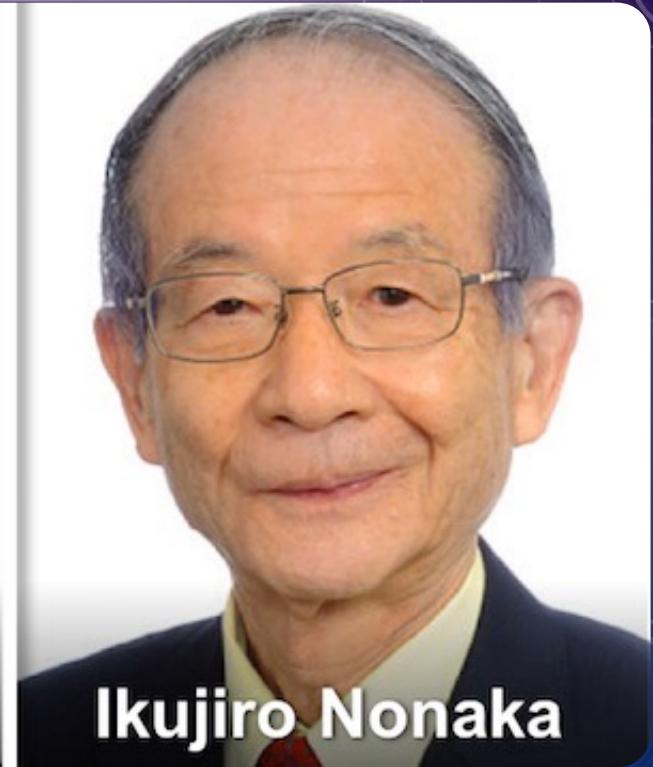
Developed by  
Hirotaka Takeuchi  
and Ikujiro Nonaka

Described an  
innovative approach

Based on  
manufacturing case  
studies from  
different industries



**Hirotaka Takeuchi**



**Ikujiro Nonaka**

# 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

Adaptive

Iterative

Fast

Flexible

# 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

Transparency

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	<ol style="list-style-type: none"><li>1. Create Project Vision</li><li>2. Identify Scrum Master and Stakeholder(s)</li><li>3. Form Scrum Team</li><li>4. Develop Epic(s)</li><li>5. Create Prioritized Product Backlog</li><li>6. Conduct Release Planning</li></ol>
Plan and Estimate	<ol style="list-style-type: none"><li>1. Create User Stories</li><li>2. Estimate User Stories</li><li>3. Commit User Stories</li><li>4. Identify Tasks</li><li>5. Estimate Tasks</li><li>6. Create Sprint Backlog</li></ol>
Implement	<ol style="list-style-type: none"><li>1. Create Deliverables</li><li>2. Conduct Daily Standup</li><li>3. Groom Prioritized Product Backlog</li></ol>
Review and Retrospect	<ol style="list-style-type: none"><li>1. Demonstrate and Validate Sprint</li><li>2. Retrospect Sprint</li></ol>
Release	<ol style="list-style-type: none"><li>1. Ship Deliverables</li><li>2. Retrospect Project</li></ol>

# SCRUM VALUES



# SCRUM VALUES



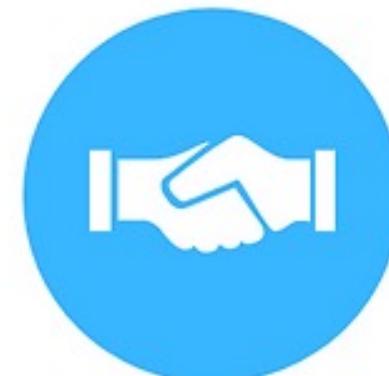
FOCUS



OPENNESS



RESPECT



COMMITMENT



COURAGE