

Scrum Summary Slides

Eng. Dr. Akram Ali

Agile core principles

- Welcoming change
- Working in small value-added increments
- Using build and feedback loops
- Learning through discovery
- Value-driven development
- Failing fast/ recovering early with learning
- Continuous delivery
- Continuous improvement

- Lecture 1 : An introduction to agile
- Lecture 2: Life Cycle Selection
- Lecture 3: Implementing Agile: Creating an Agile Environment
- Lecture 4: Implementing Agile: Delivering in an Agile Environment [1/2]

To Do	Doing			Done
	A	B	C	
Sprint Backlog				

Mind set = (((Agile Manifesto (Admin)) +
(Servant Leadership (leadership)) +100%
dedicated cross-functional, self managed
and co-located team)

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Continuum between predictive and
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Project Charter + Team Charter

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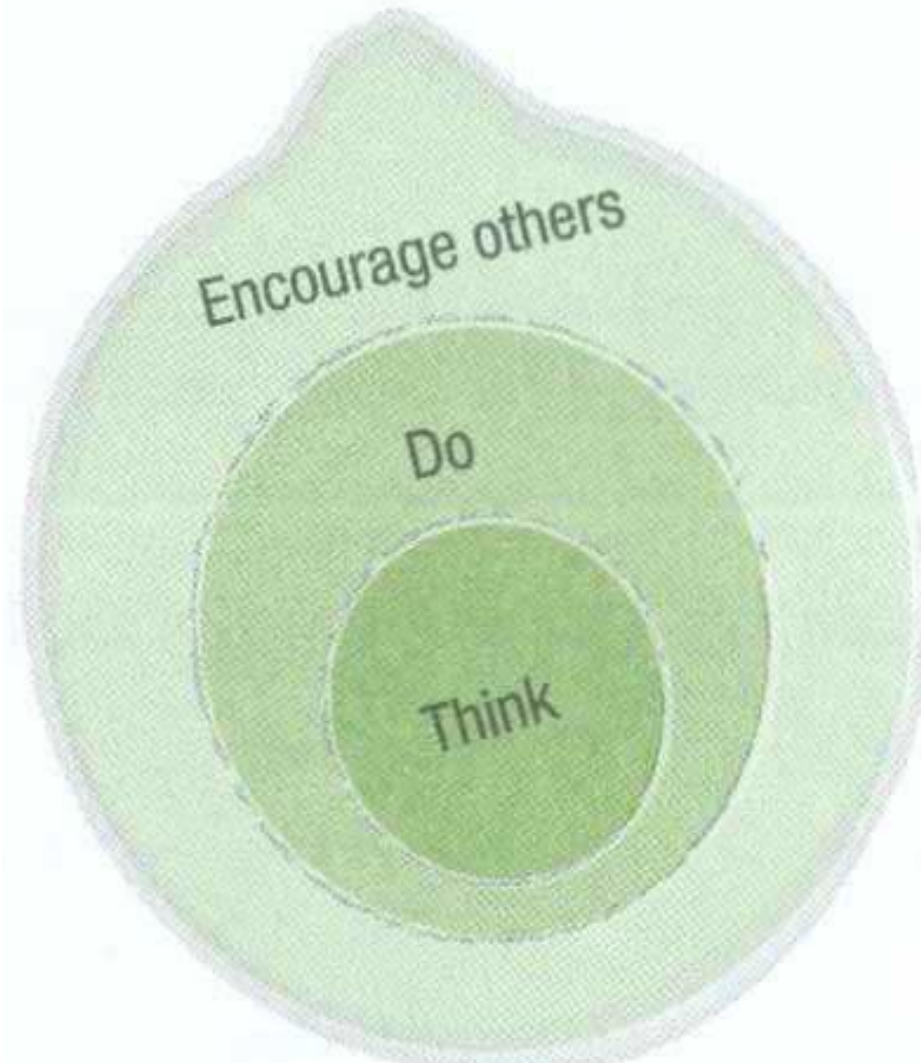
To Do	Doing			Done
	A	B	C	
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Use Kanban Boards to manage projects

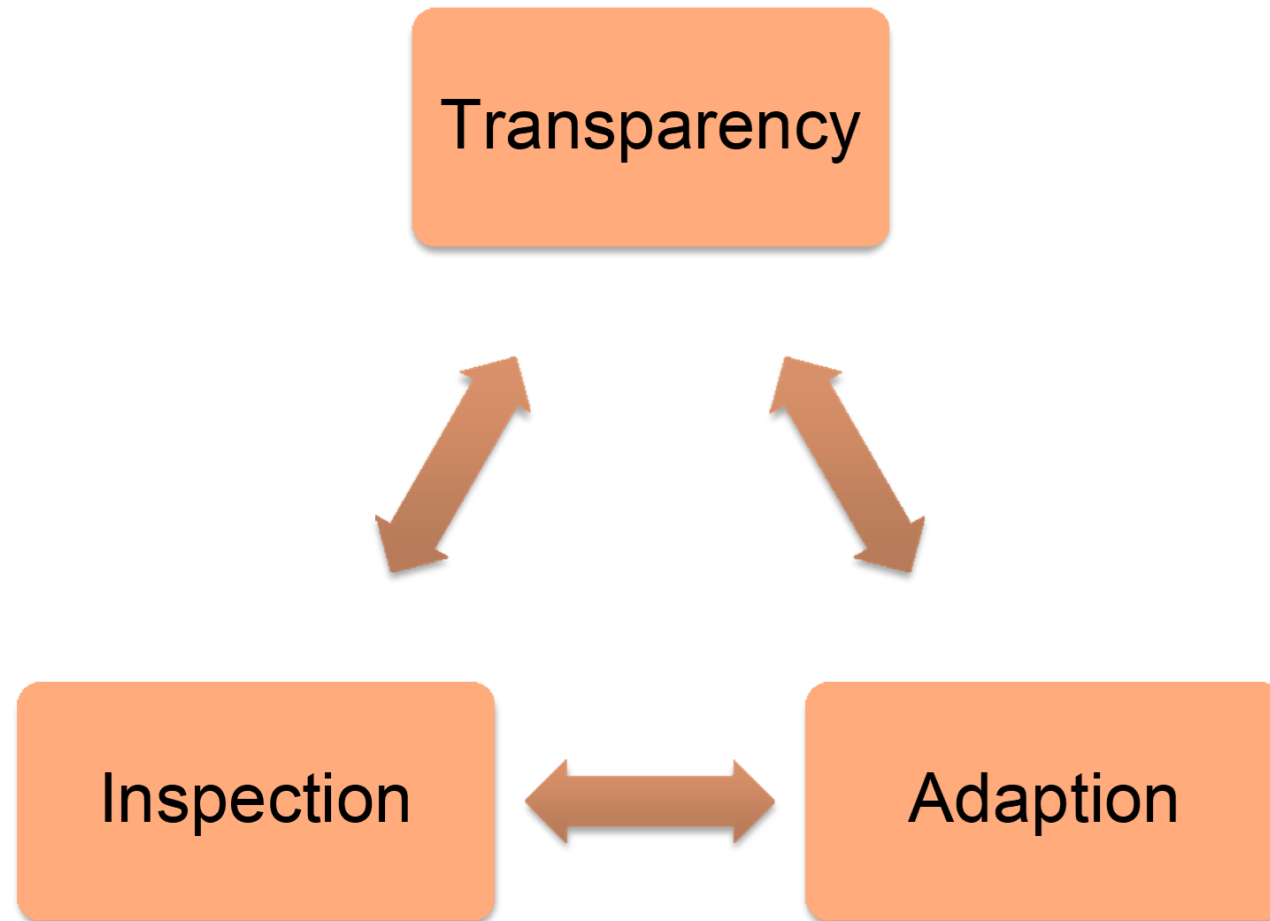
daily stand-up questions

iteration-based agile (TIME-BOXED) SCRUM	flow-based agile (INCREMENT) KANBAN
• What did I complete since the last standup?	• What do we need to do to advance this piece of work?
• What am I planning to complete between now and the next standup?	• Is anyone working on anything that is not on the board?
• What are my impediments (or risks or problems)?	• What do we need to finish as a team?
	• Are there any bottlenecks or blockers to the flow of work?

Creating organizational change



Three Pillars of Scrum





Product Owner

Product Backlog

- 1
- 2
- 3
- 4
- 5
- 6



Every
24 Hours

1-4 Week
Sprint

Sprint Retrospective



Sprint
Review



Sprint Planning

Eng. Dr. Akram Ali

AGILE VALUES

AGILE VALUES

P

P

C

C

P

CD

C

P

AGILE VALUES

People

P

P

CD

C

C

C

P

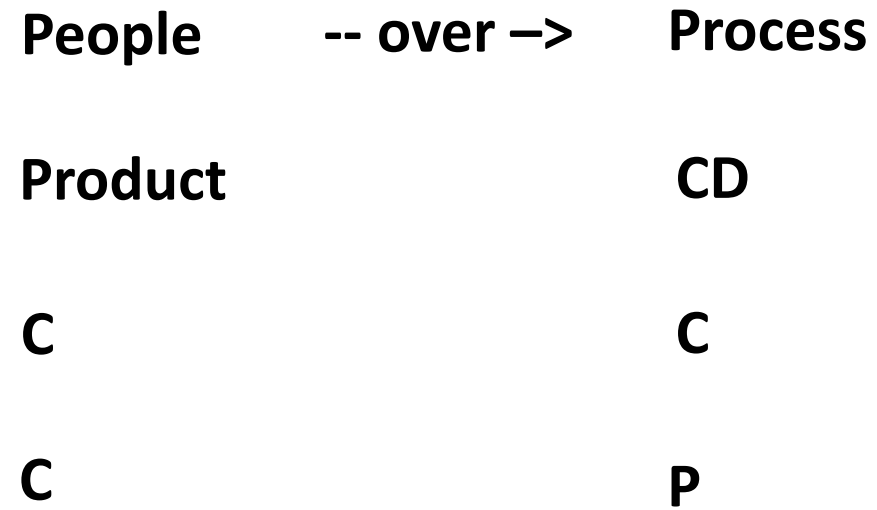
AGILE VALUES

People	-- over -->	P
P		CD
C		C
C		P

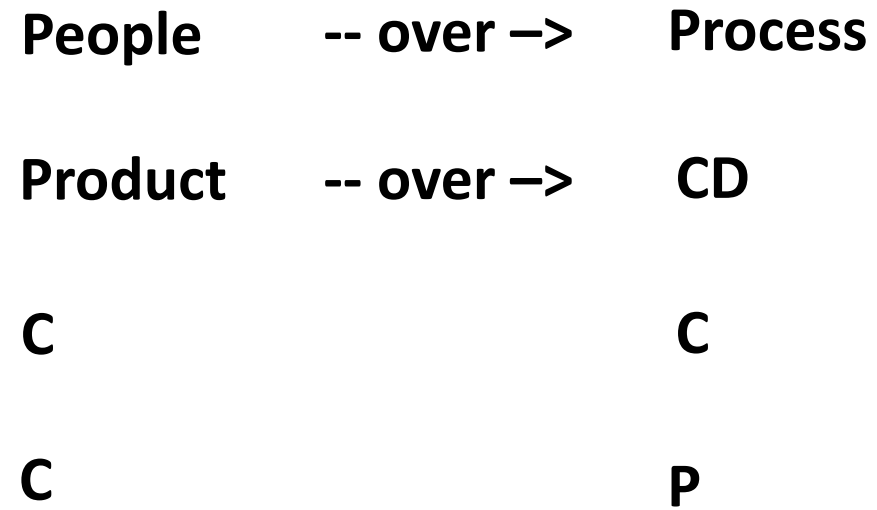
AGILE VALUES

People	-- over -->	Process
P		CD
C		C
C		P

AGILE VALUES



AGILE VALUES



AGILE VALUES

People	-- over -->	Process
Product	-- over -->	Comp Doc
C		C
C		P

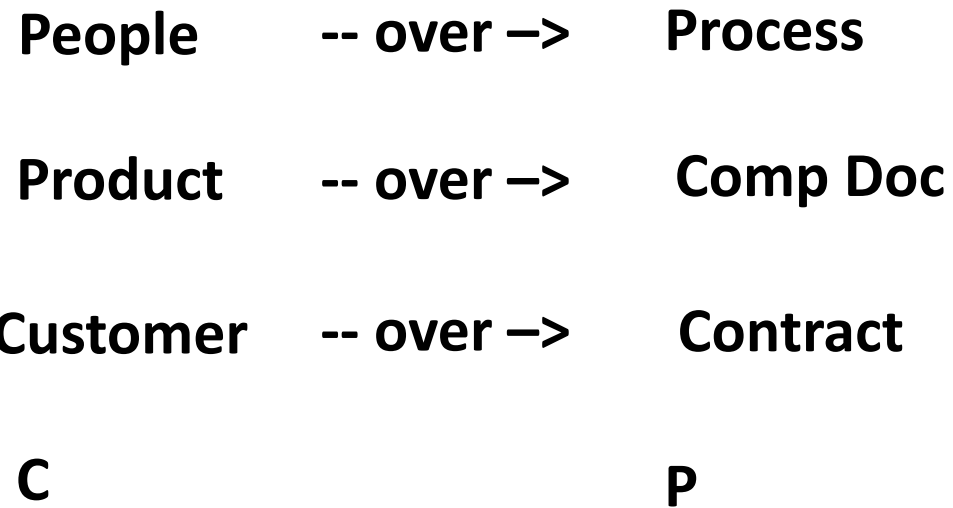
AGILE VALUES

People	-- over -->	Process
Product	-- over -->	Comp Doc
Customer		C
C		P

AGILE VALUES

People	-- over -->	Process
Product	-- over -->	Comp Doc
Customer	-- over -->	C
C		P

AGILE VALUES



AGILE VALUES

People	-- over -->	Process
Product	-- over -->	Comp Doc
Customer	-- over -->	Contract
Change		P

AGILE VALUES

People	-- over -->	Process
Product	-- over -->	Comp Doc
Customer	-- over -->	Contract
Change	-- over -->	P

AGILE VALUES

People	-- over -->	Process
Product	-- over -->	Comp Doc
Customer	-- over -->	Contract
Change	-- over -->	Plan

Scrum roles, artifacts & ceremonies

- SCRUM ARTIFICATS

- Product Backlog
- Sprint Backlog
- Increment

A R C
3 3 4

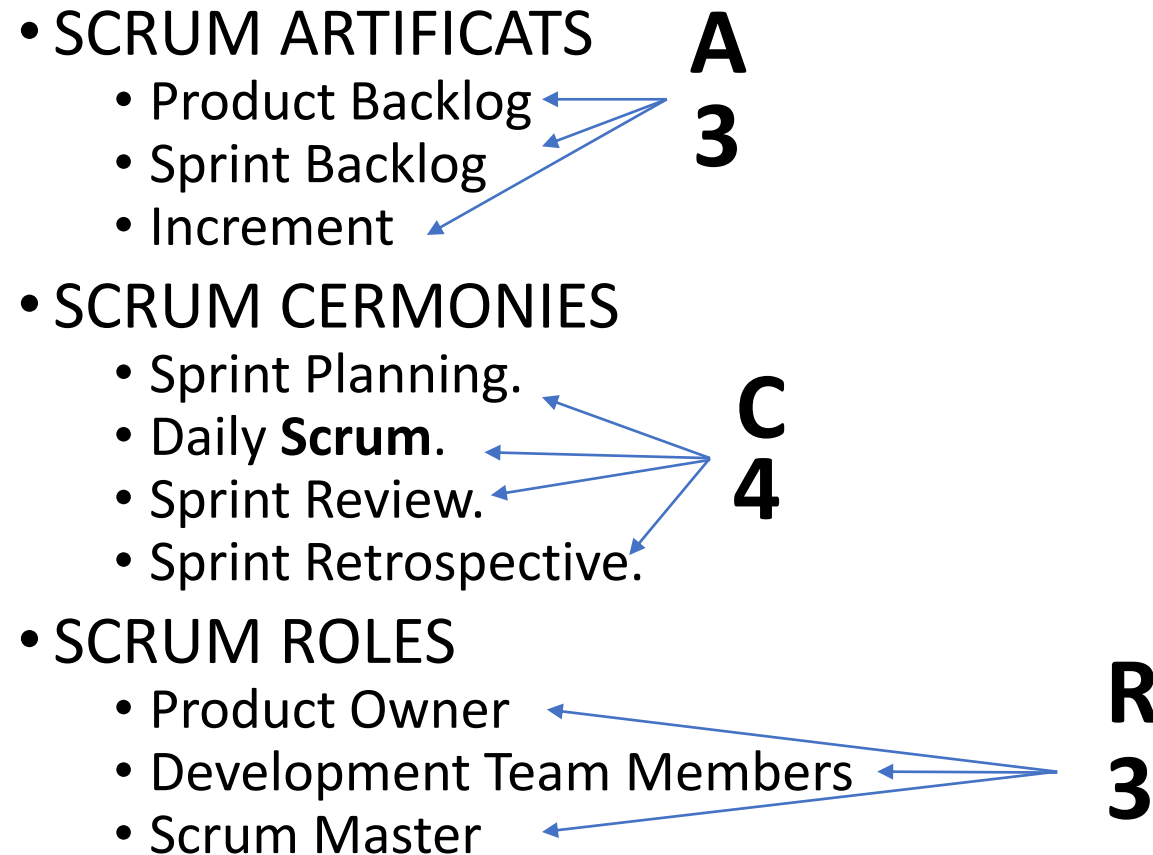
- SCRUM CERMONIES

- Sprint Planning.
- Daily **Scrum**.
- Sprint Review.
- Sprint Retrospective.

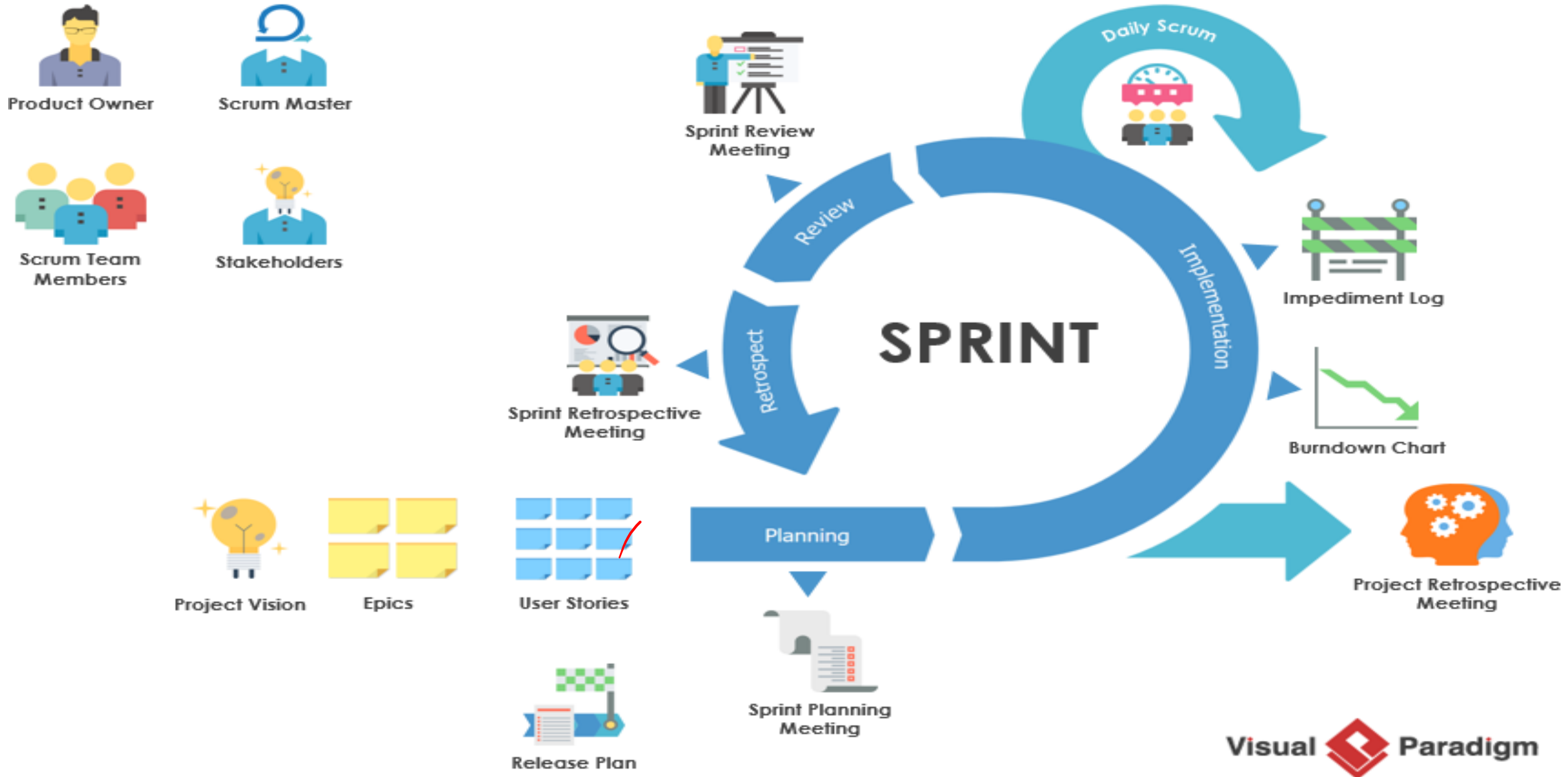
- SCRUM ROLES

- Product Owner
- Development Team Members
- Scrum Master

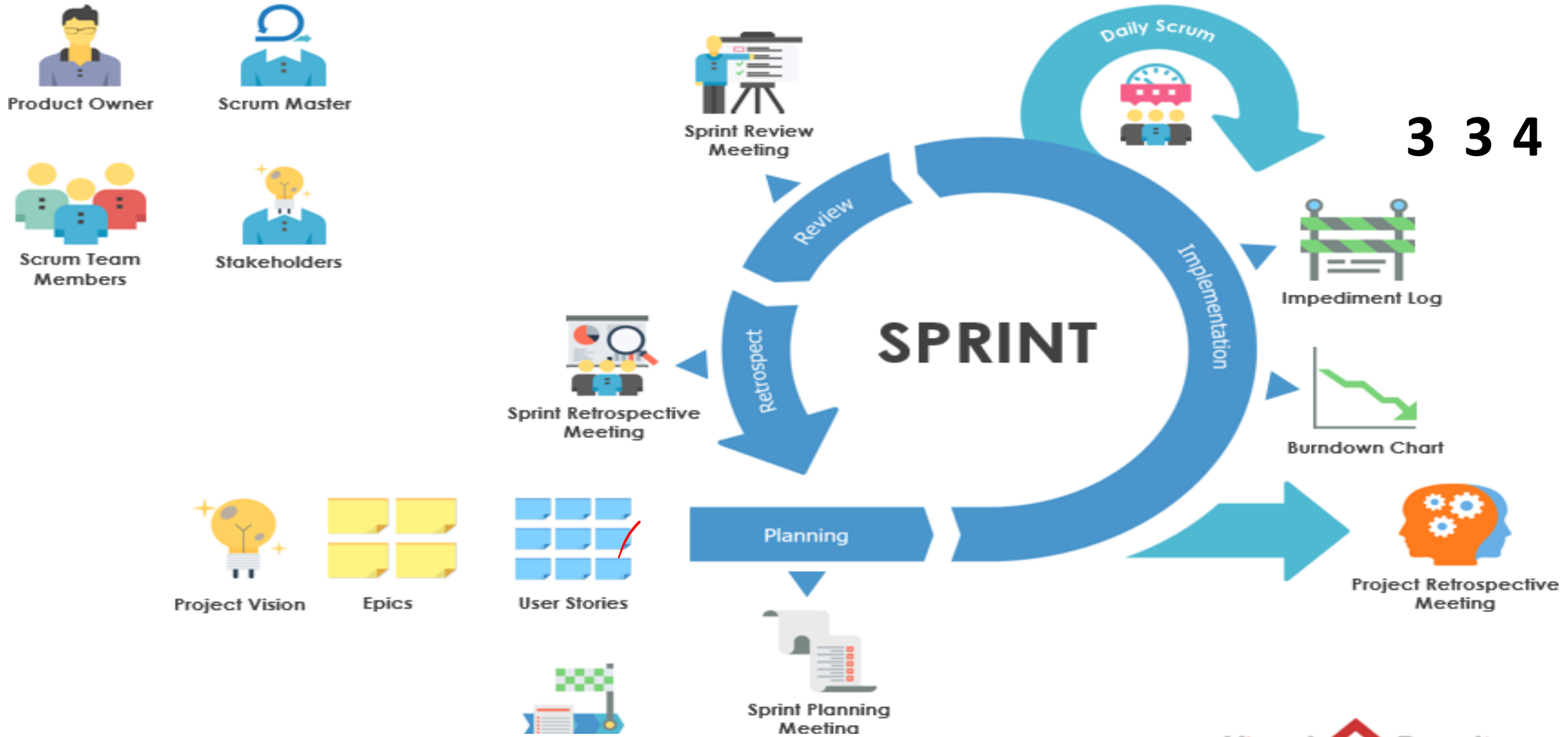
Scrum roles, artifacts & ceremonies



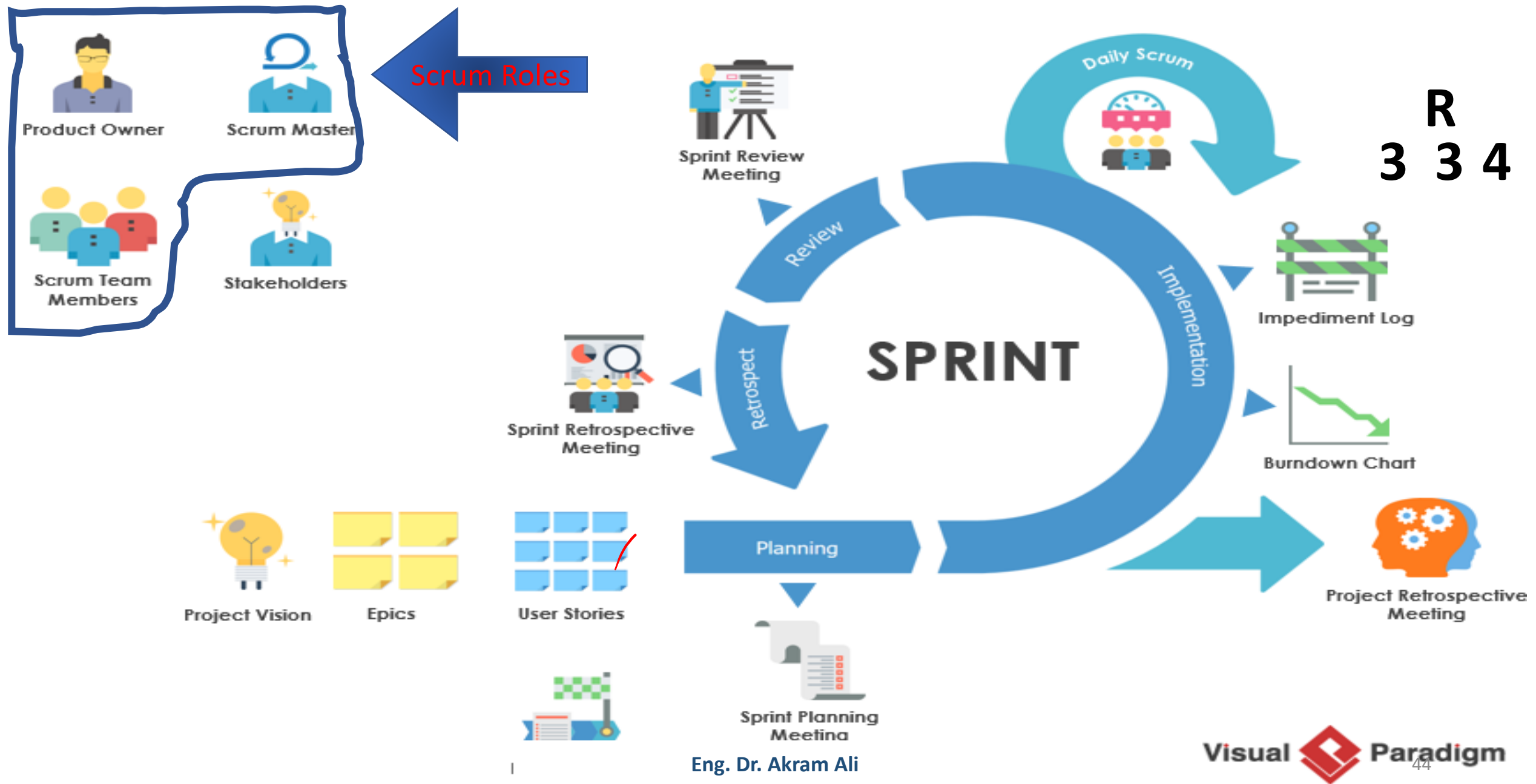
The Agile – Scrum Framework



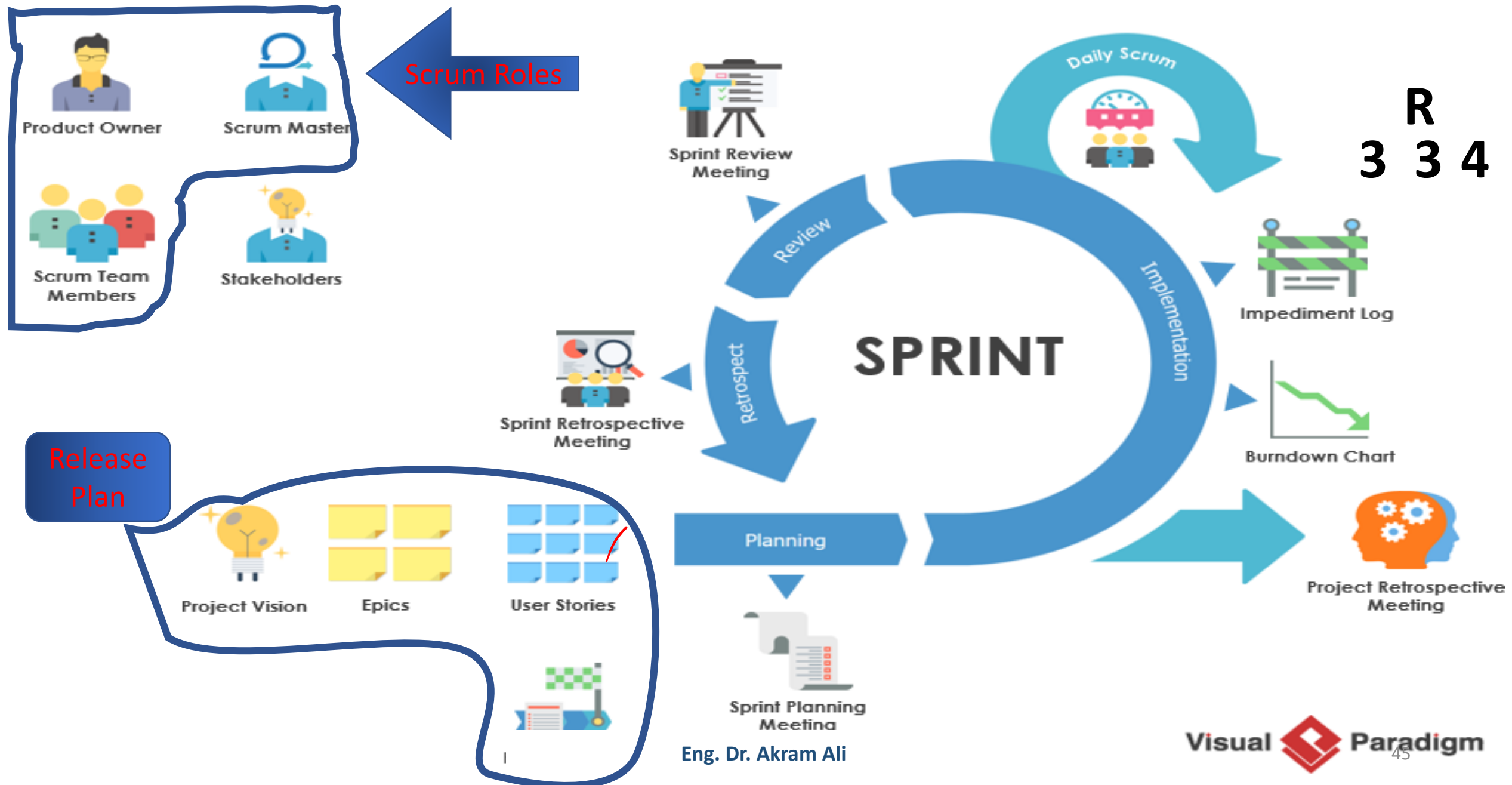
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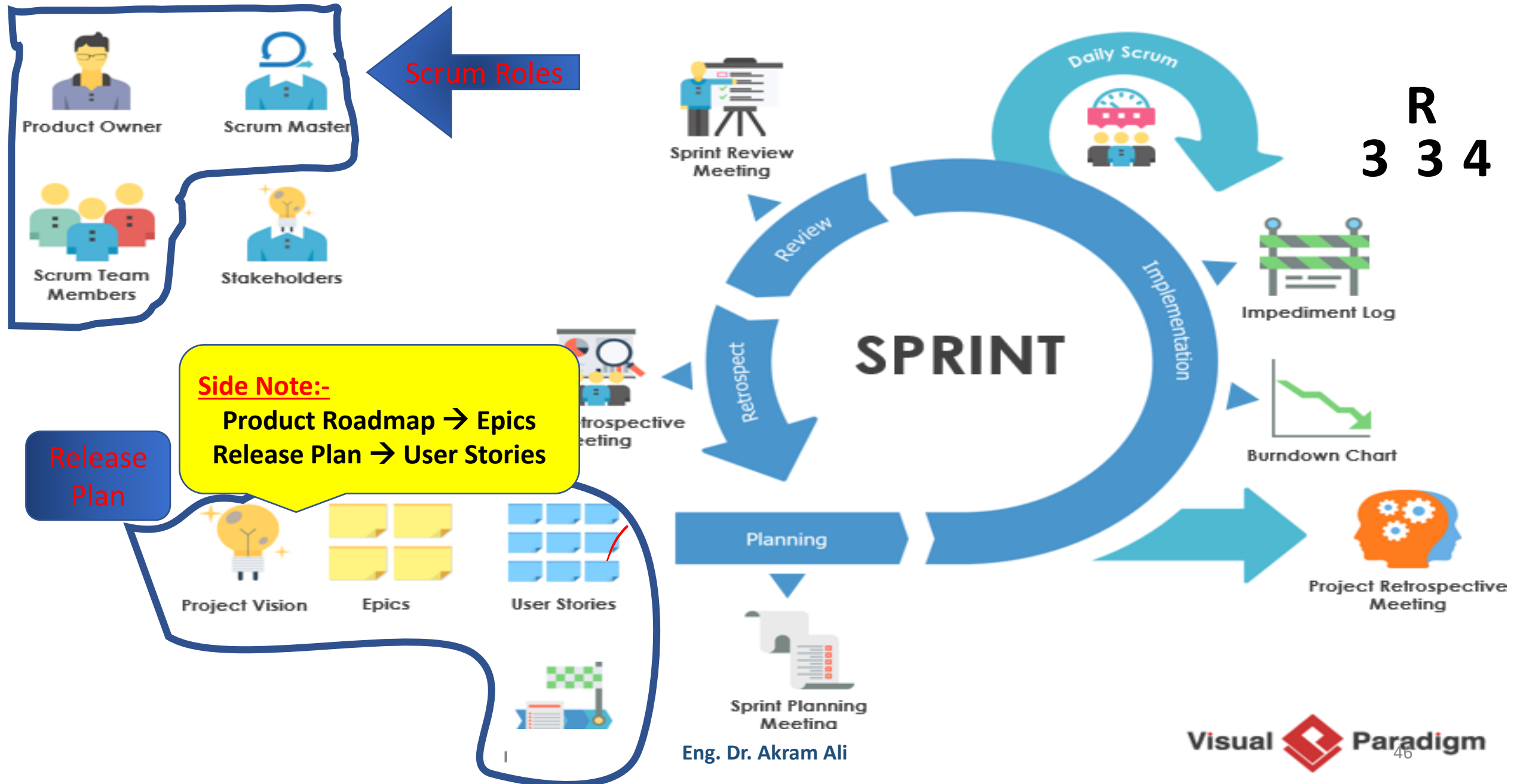
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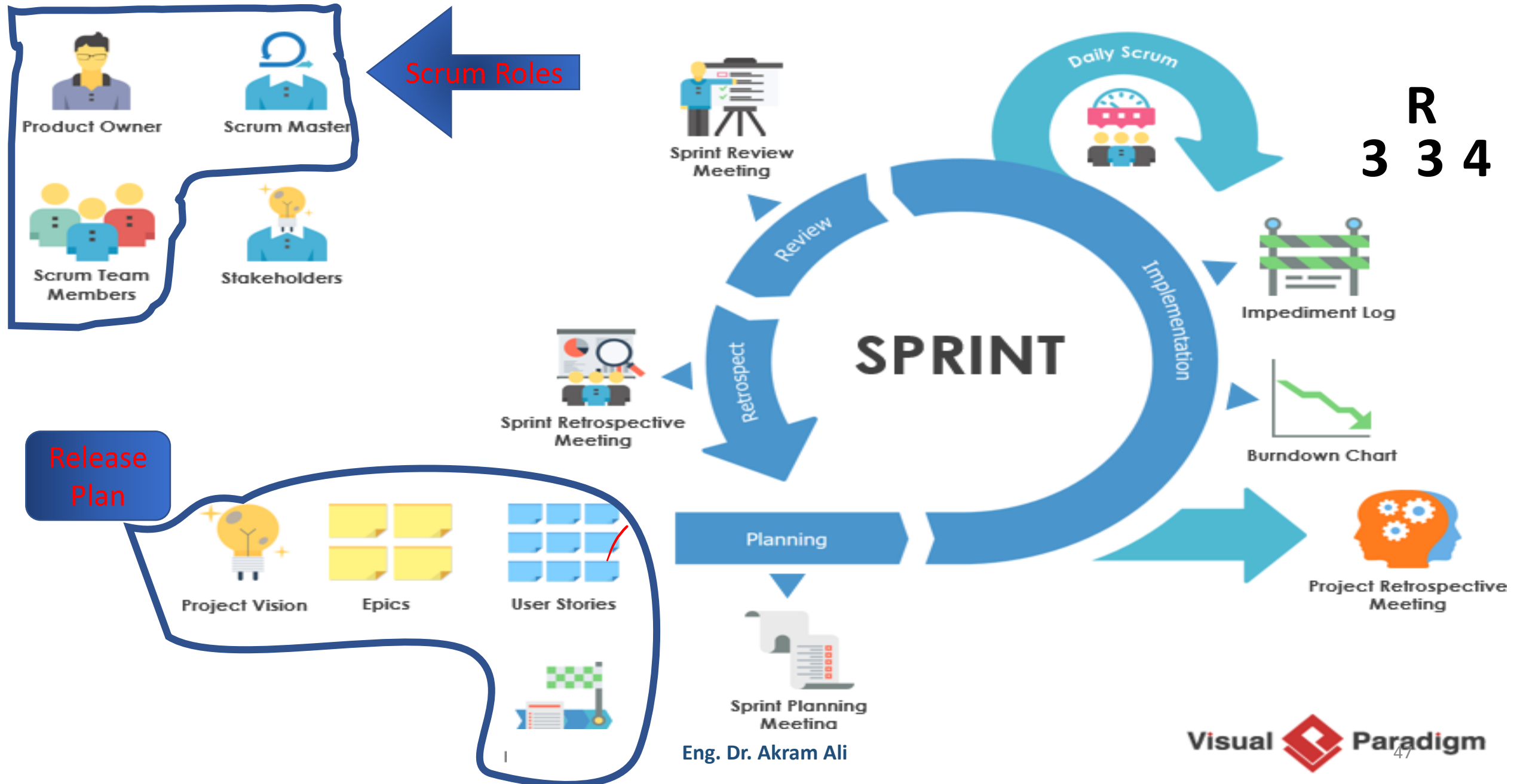
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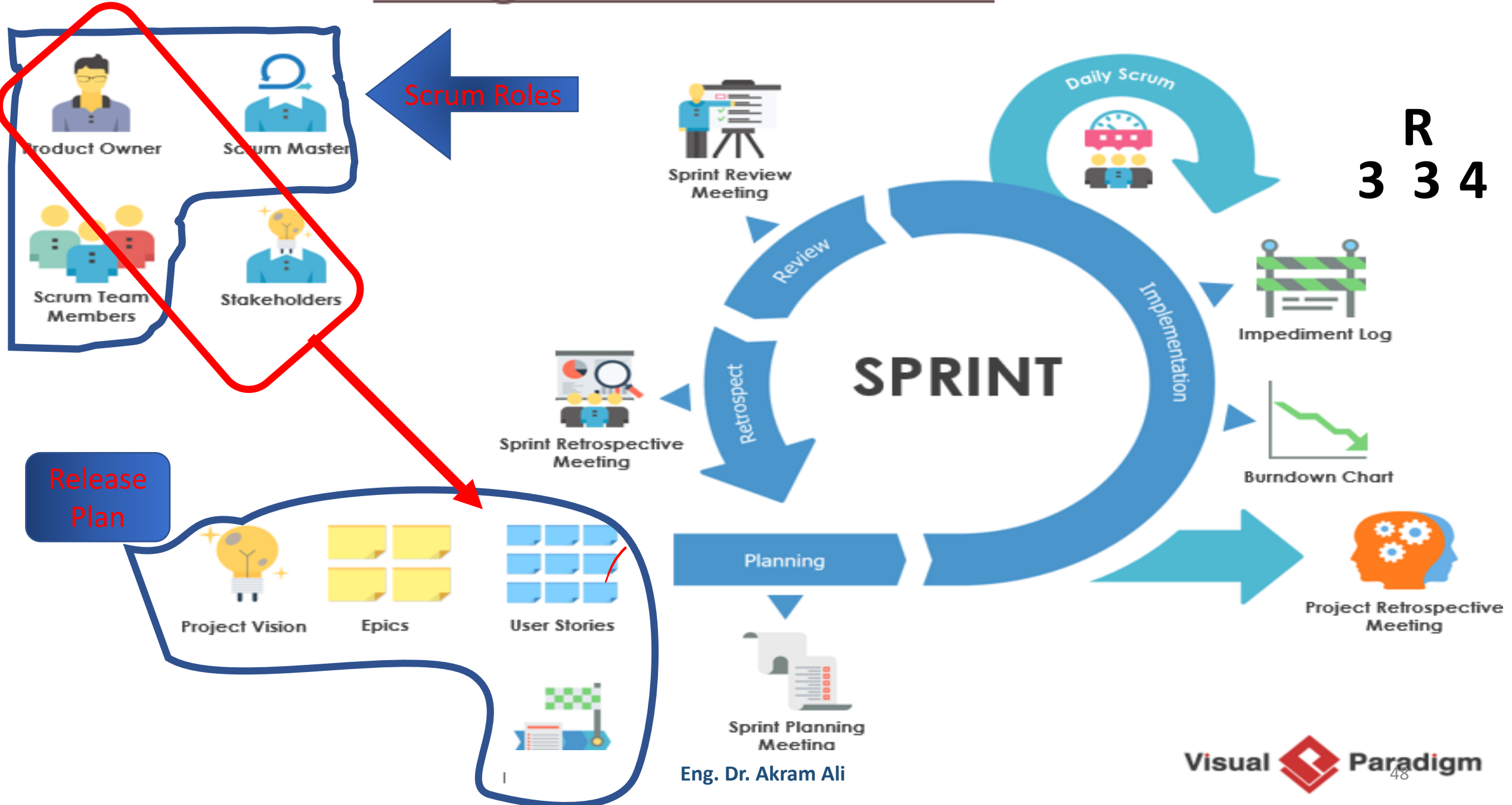
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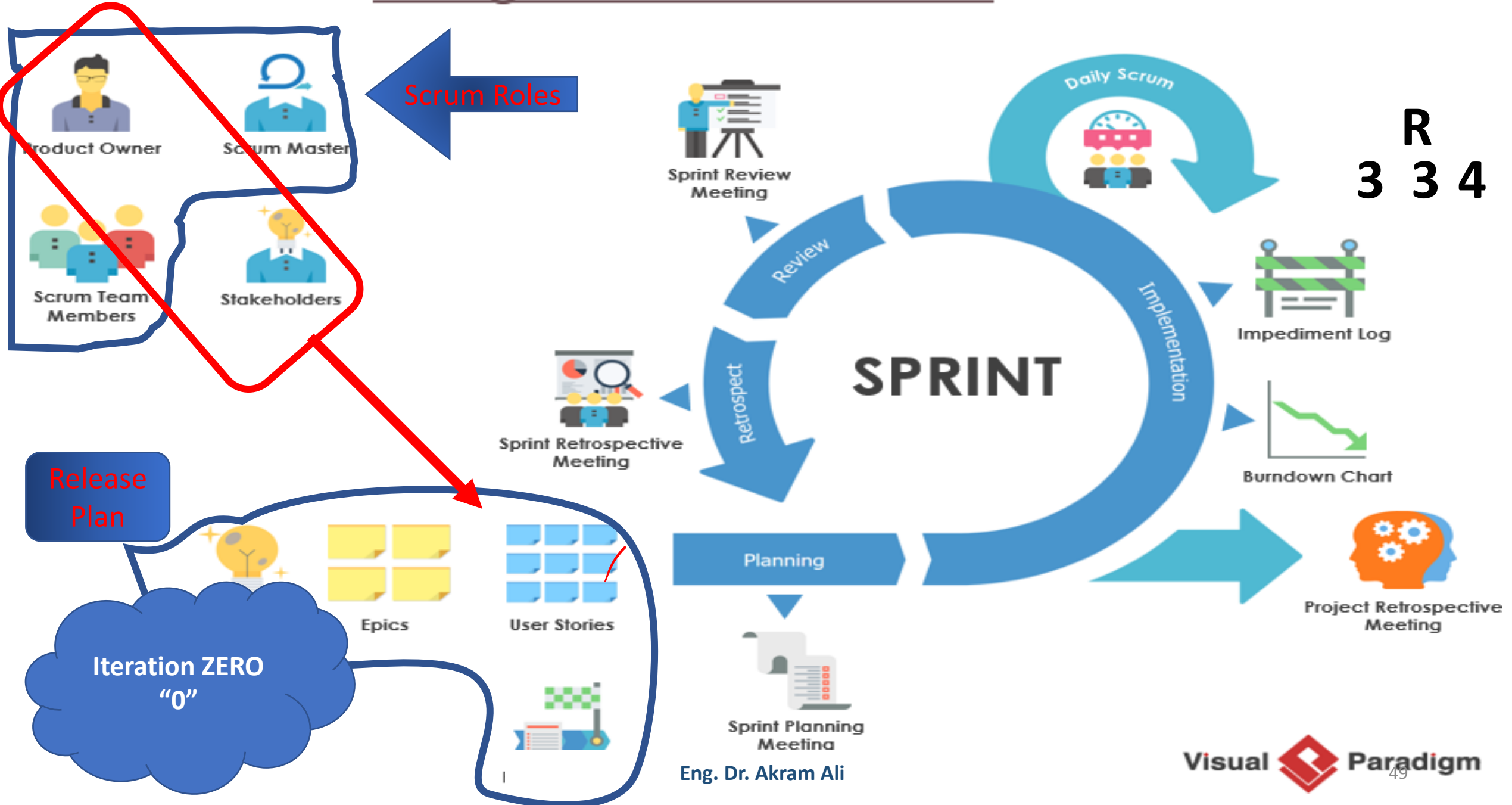
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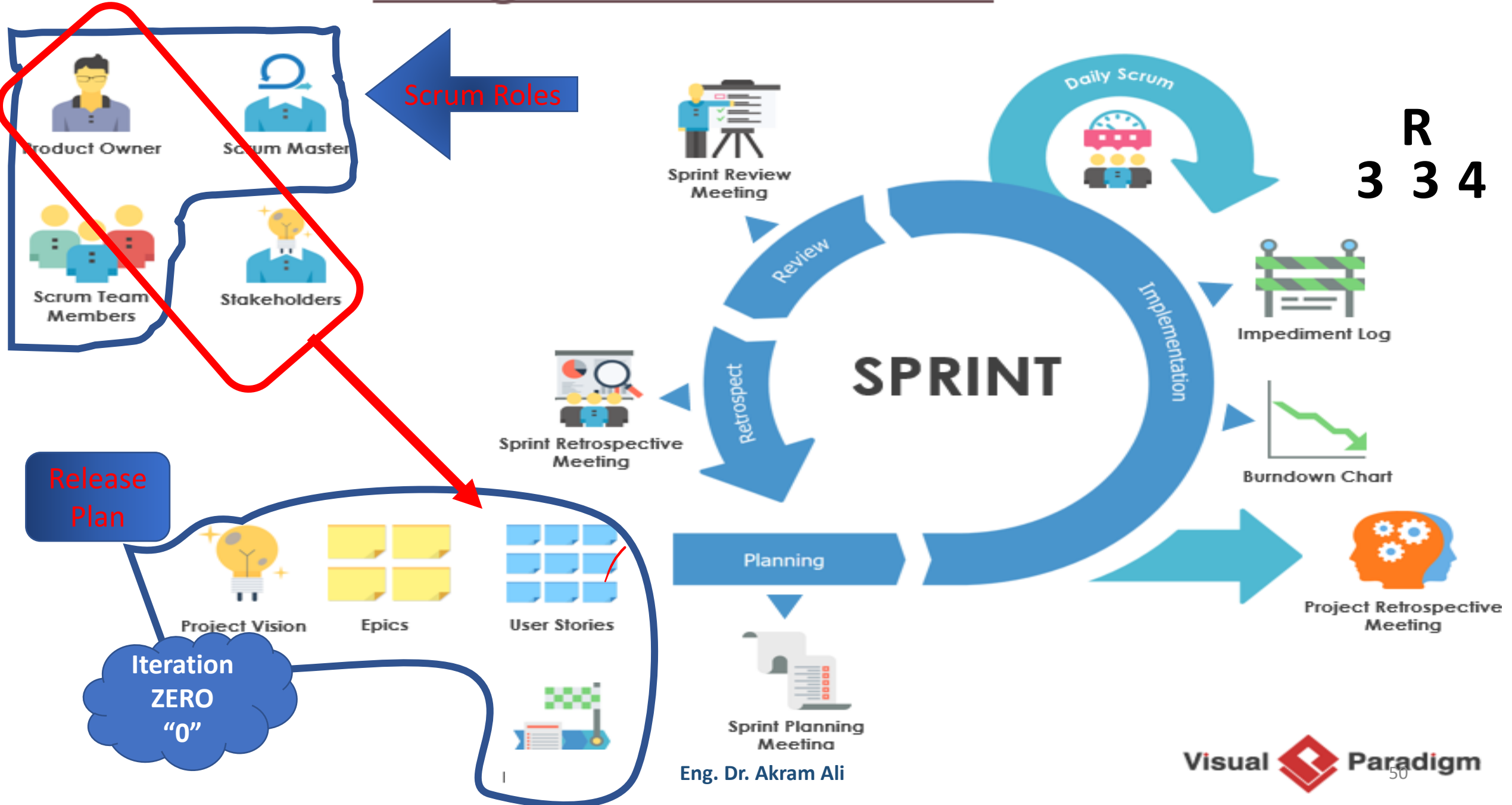
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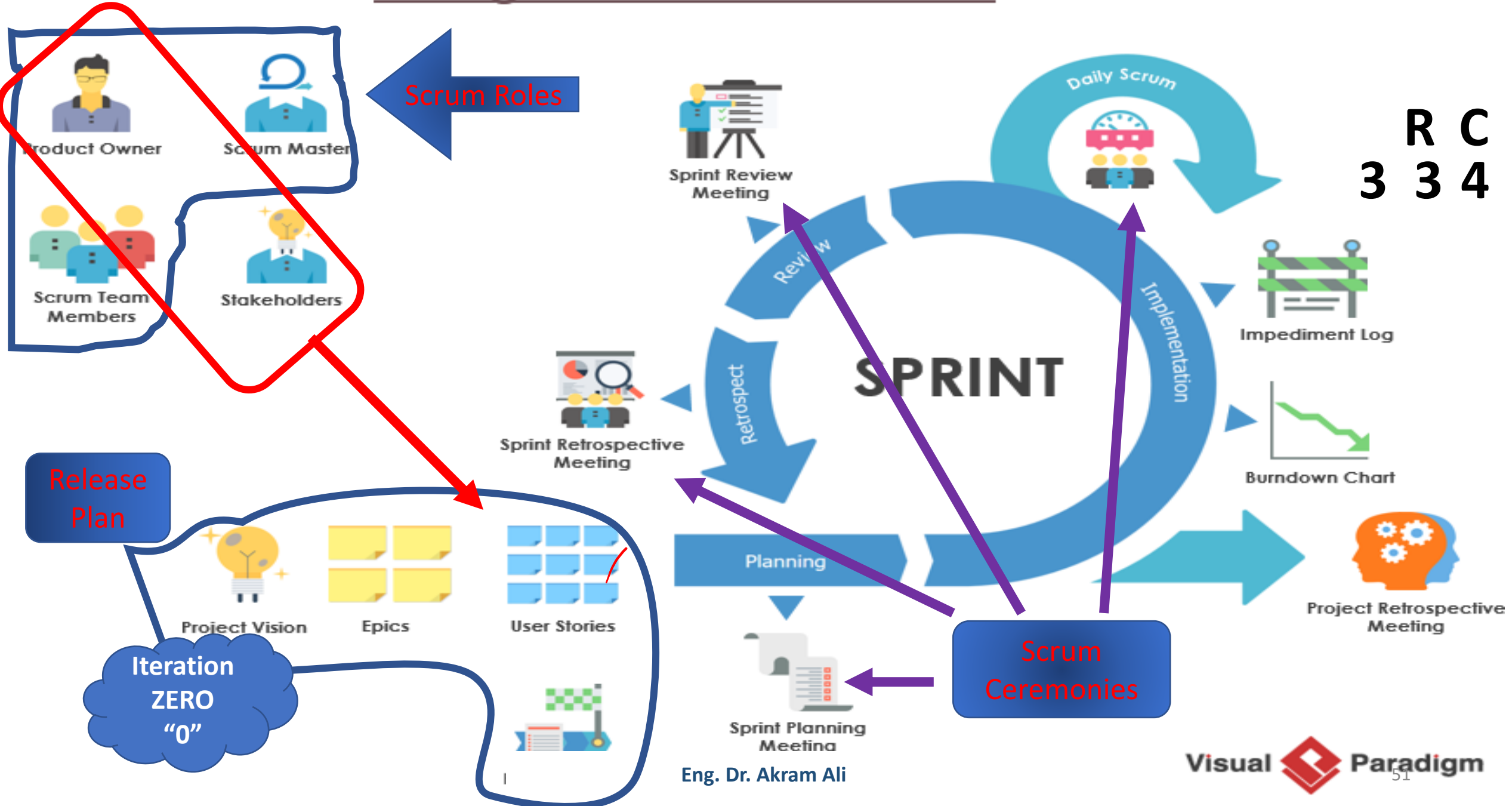
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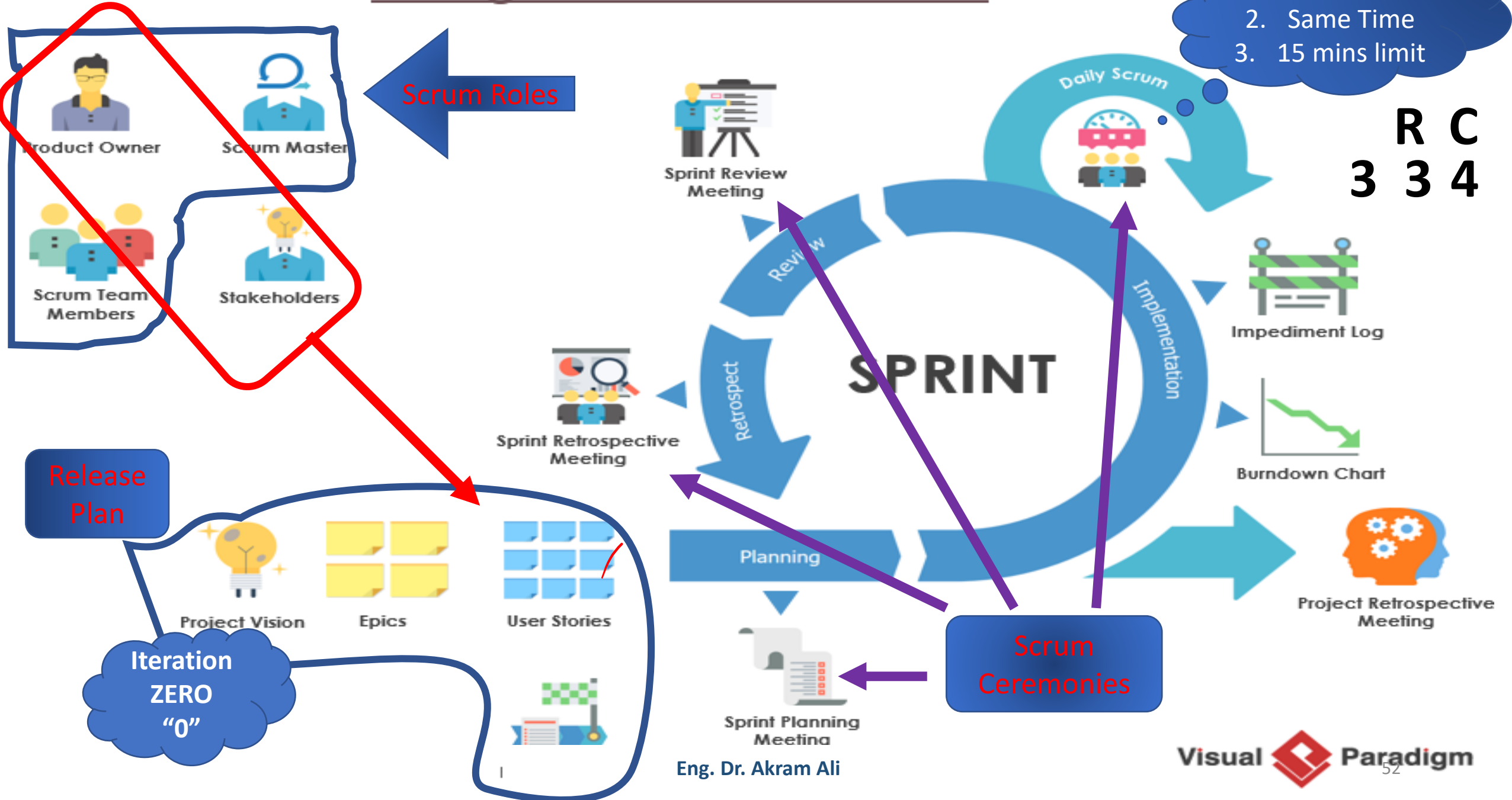


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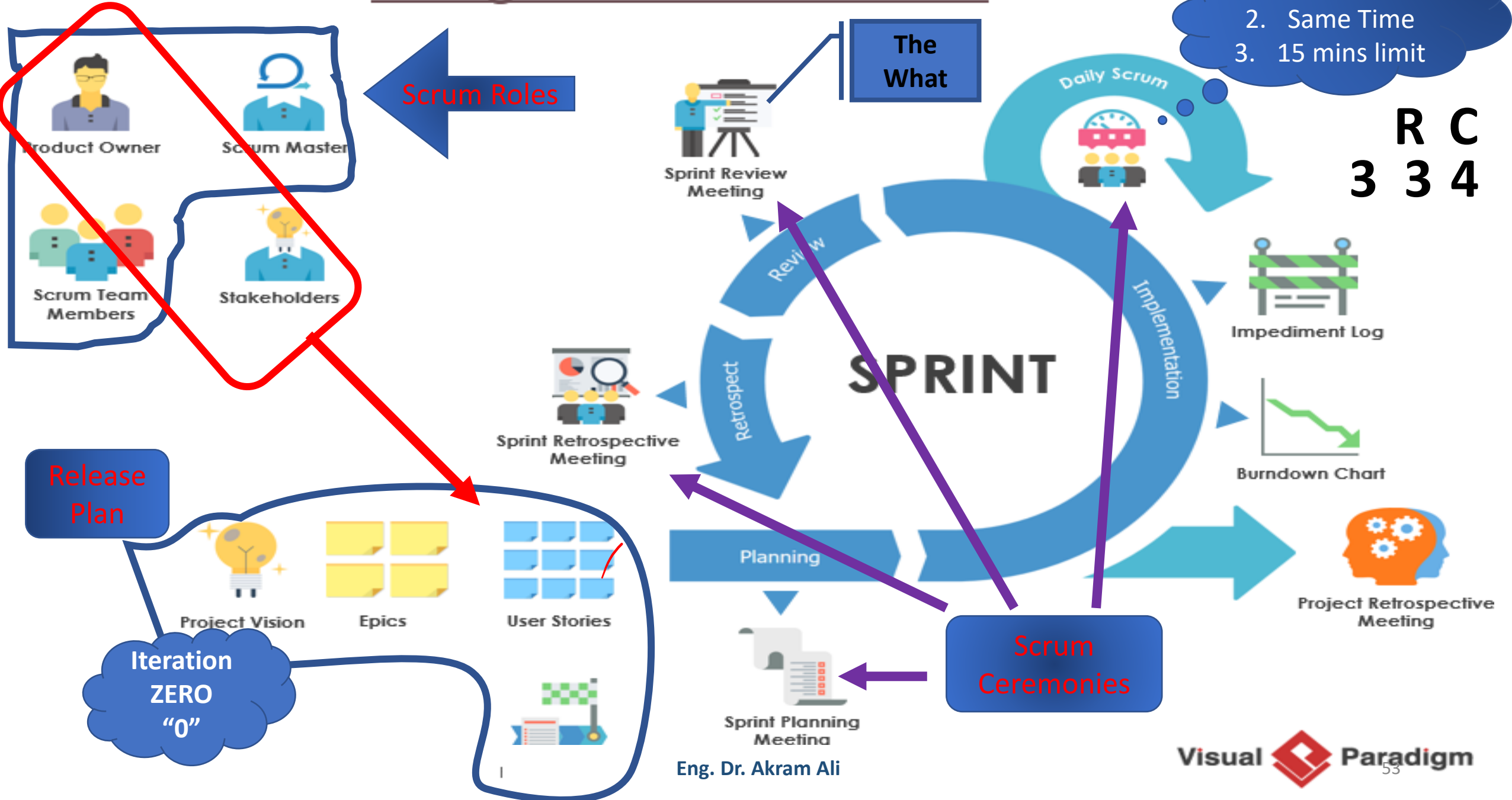


R C
3 3 4

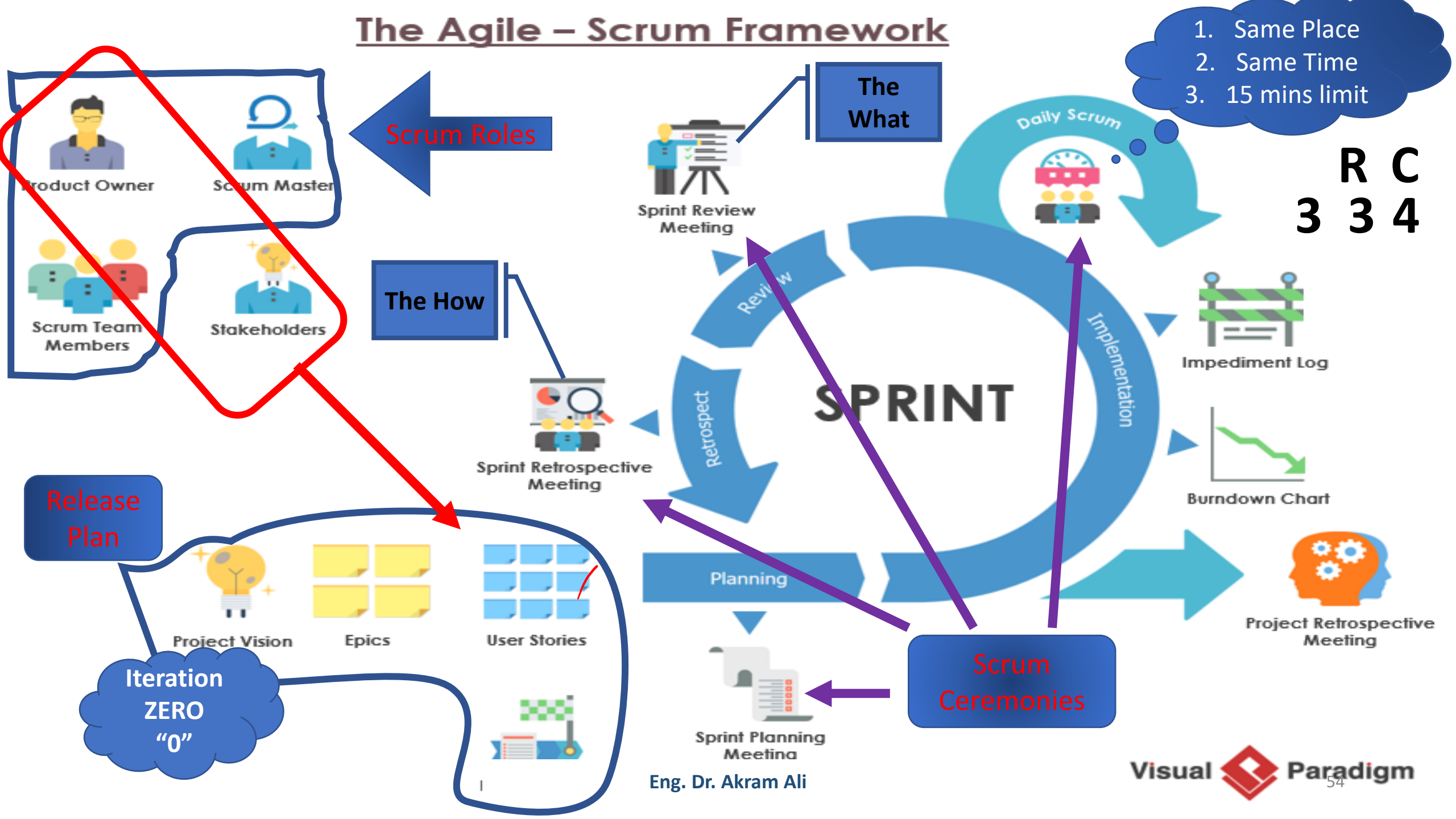
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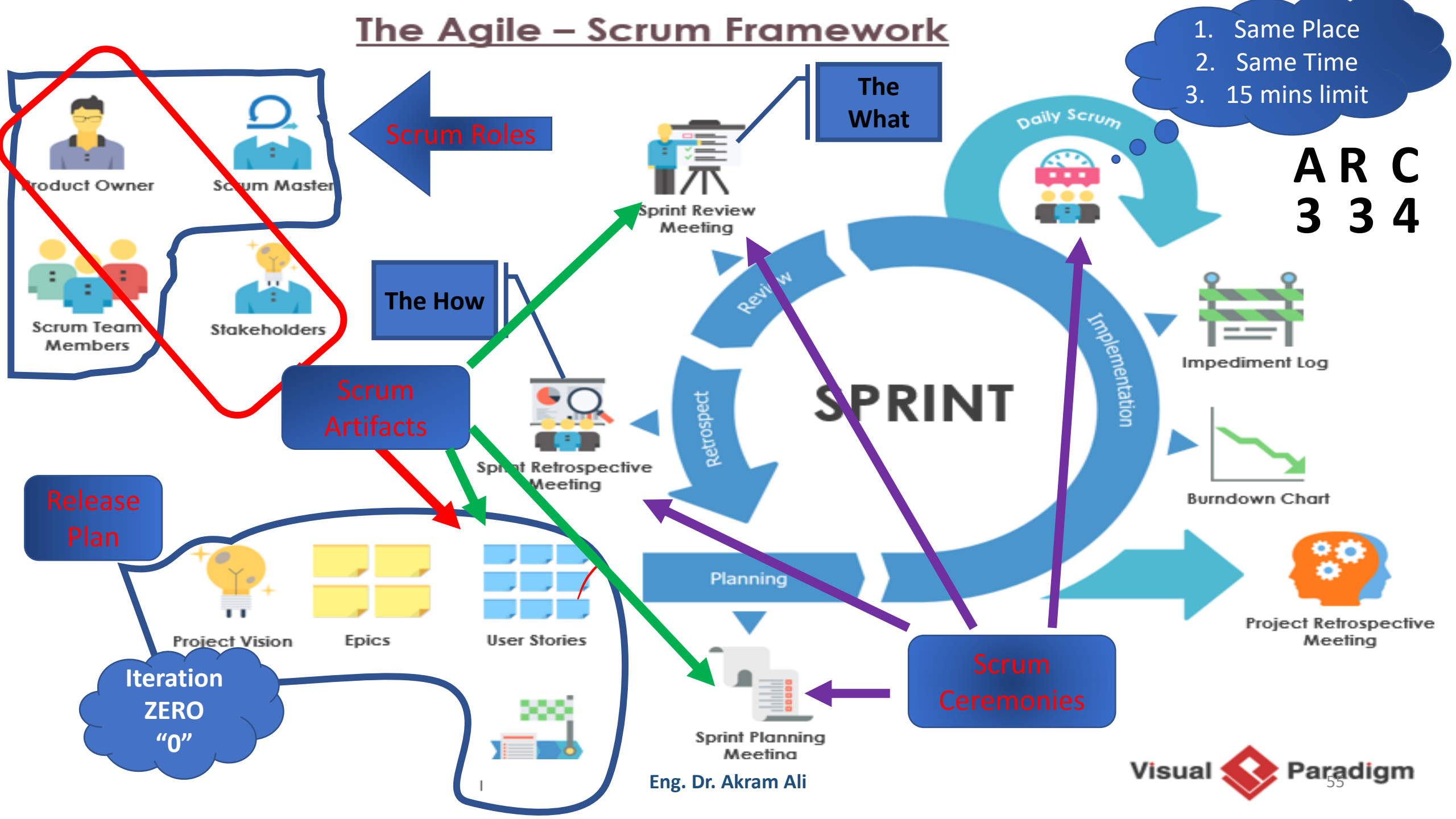
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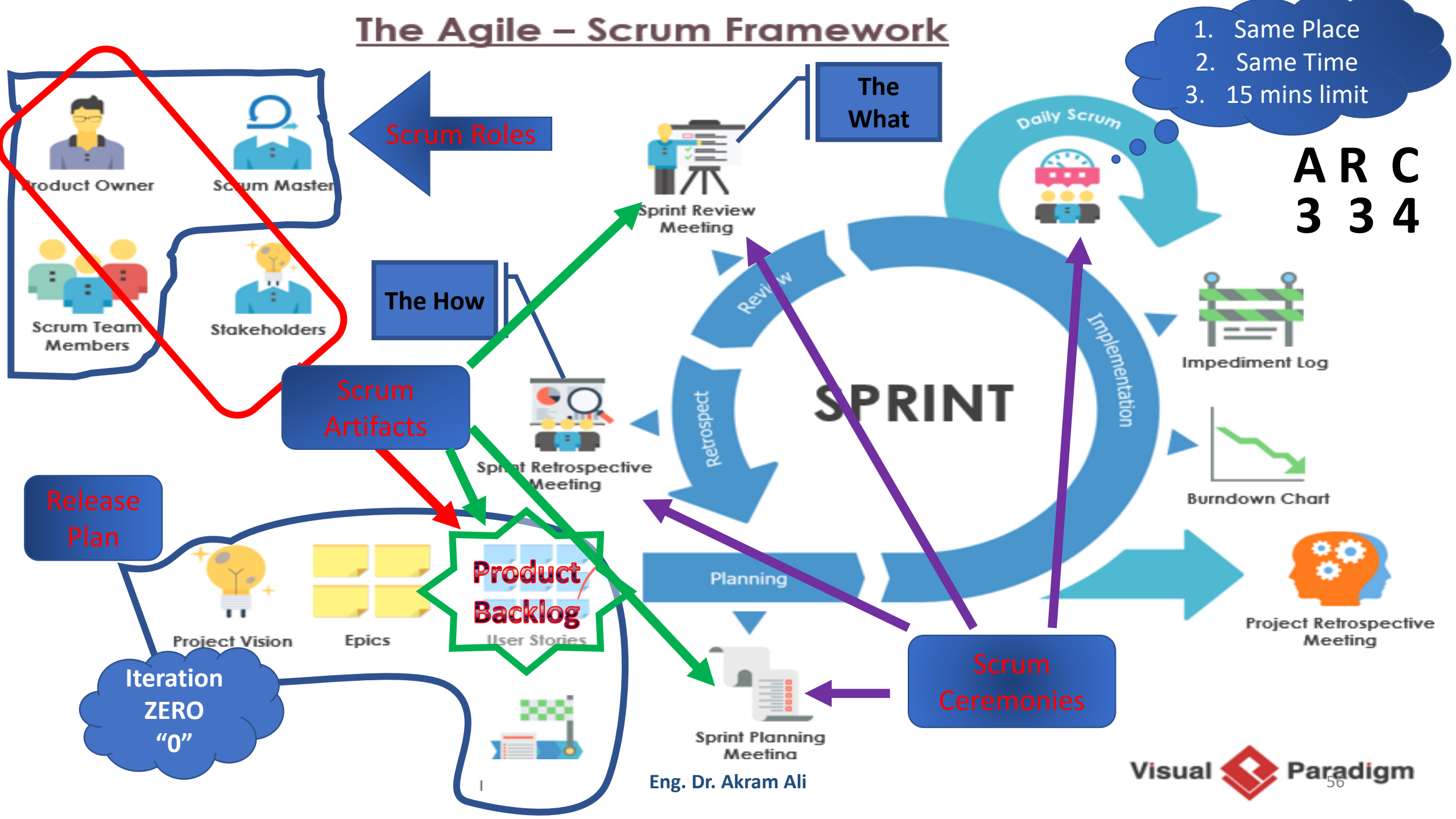
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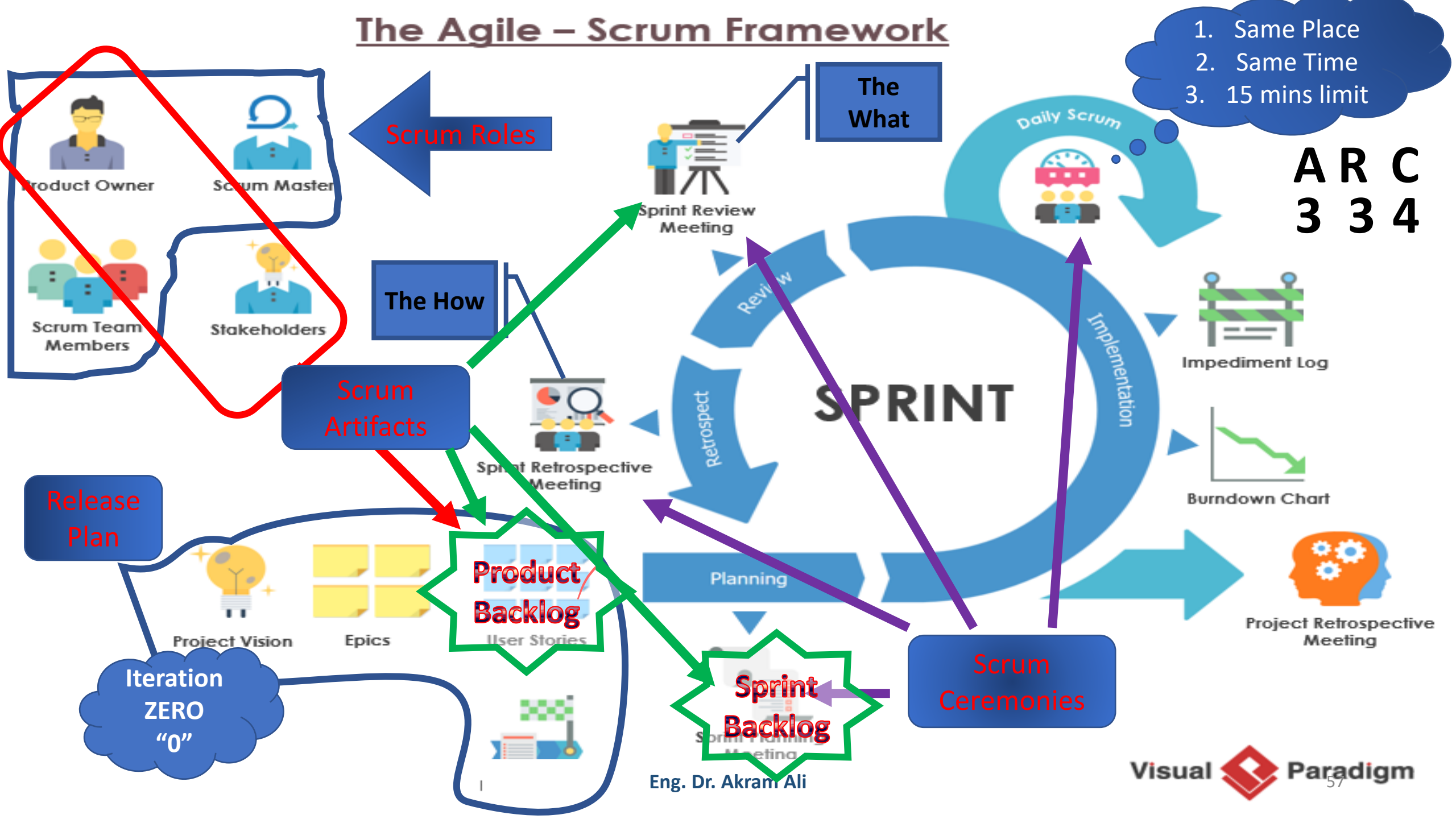
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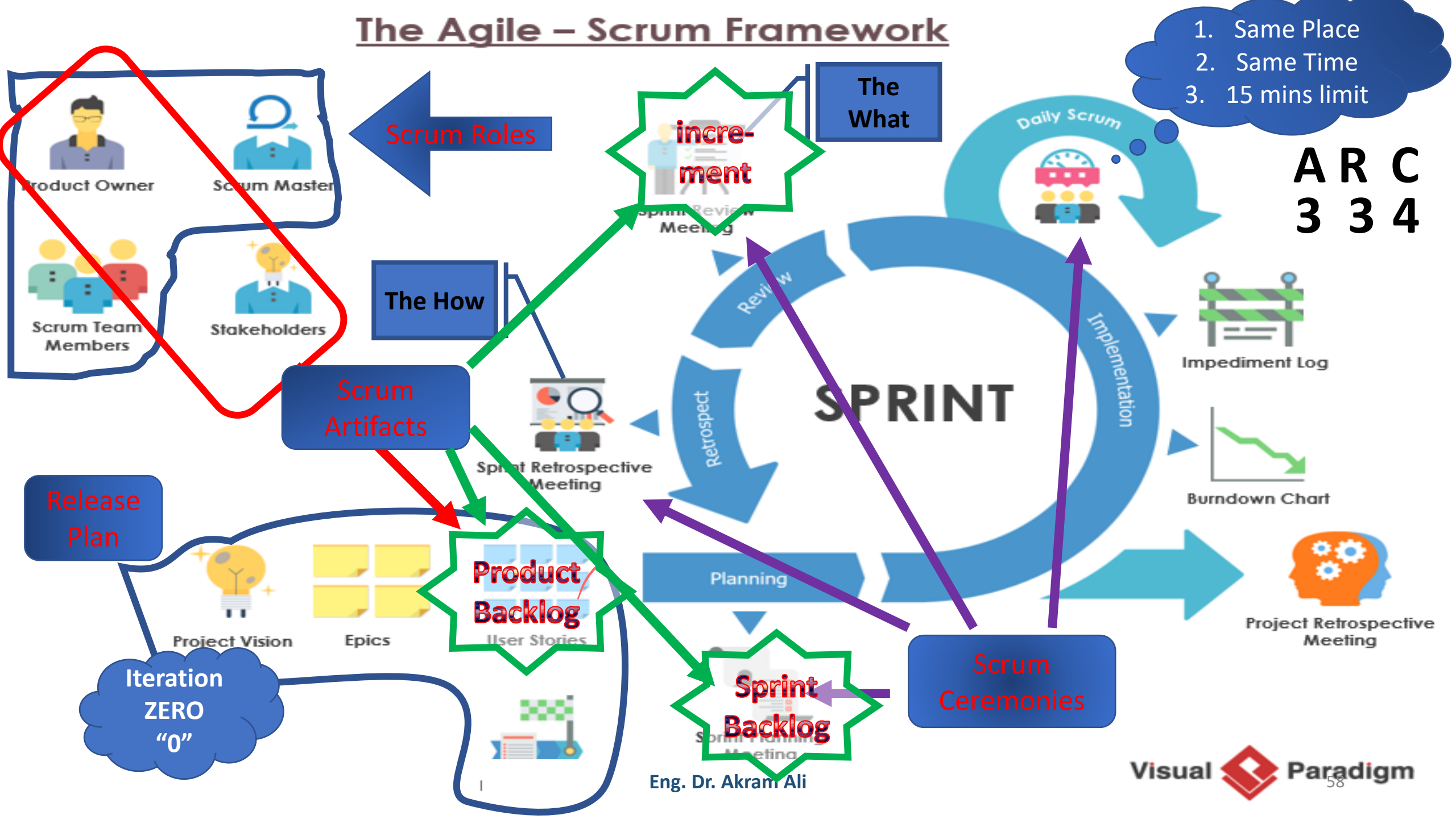
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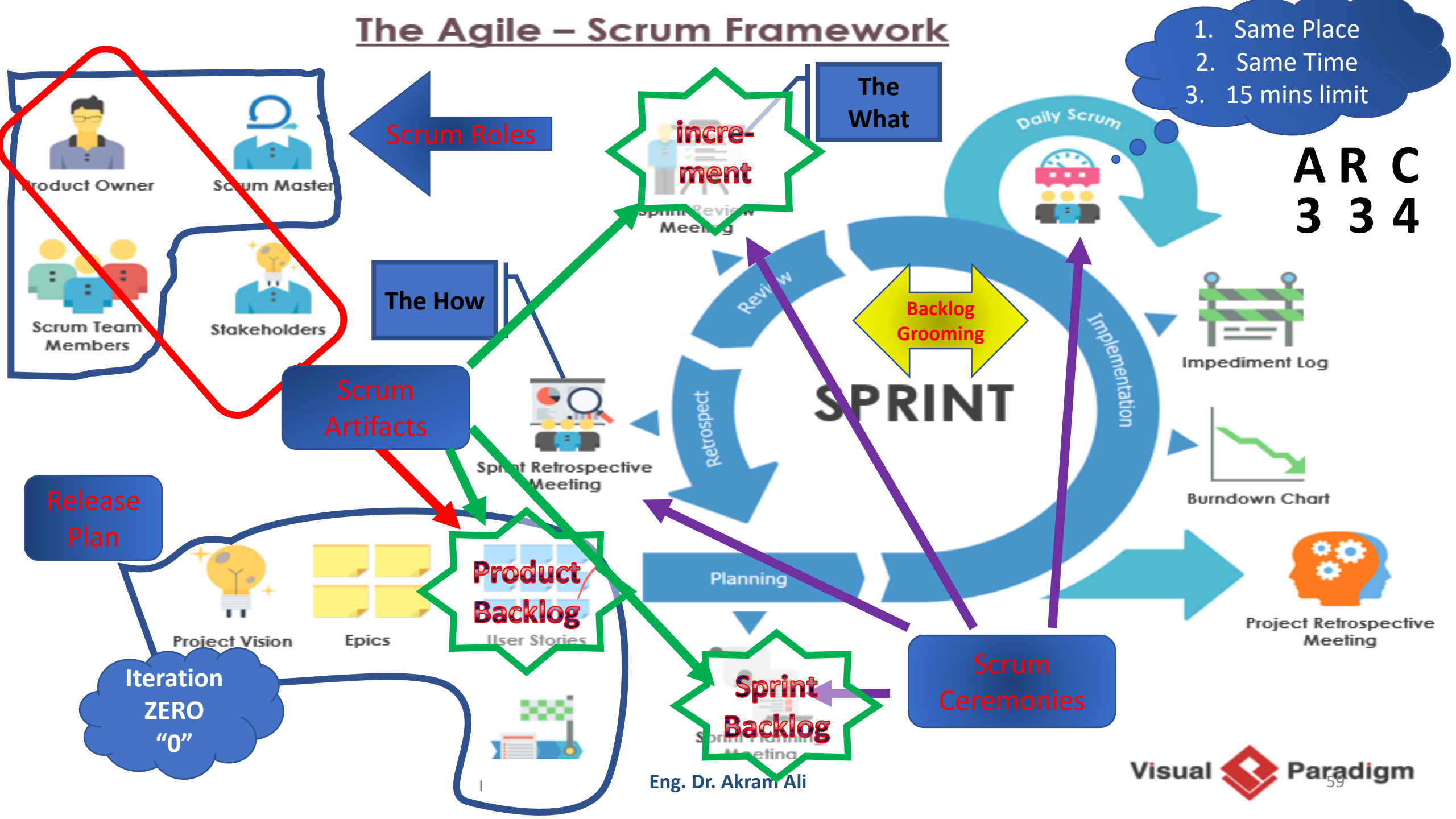
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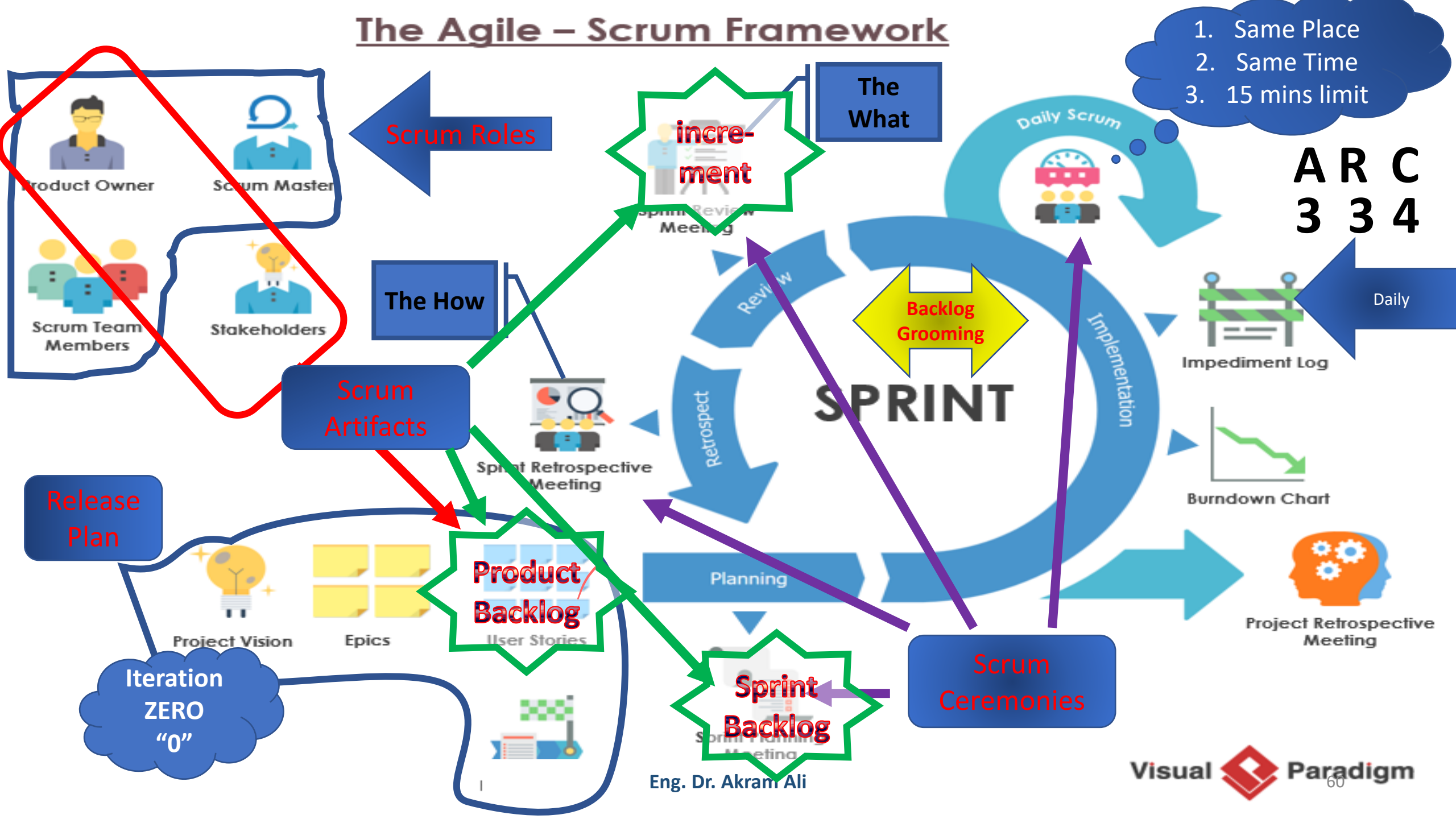
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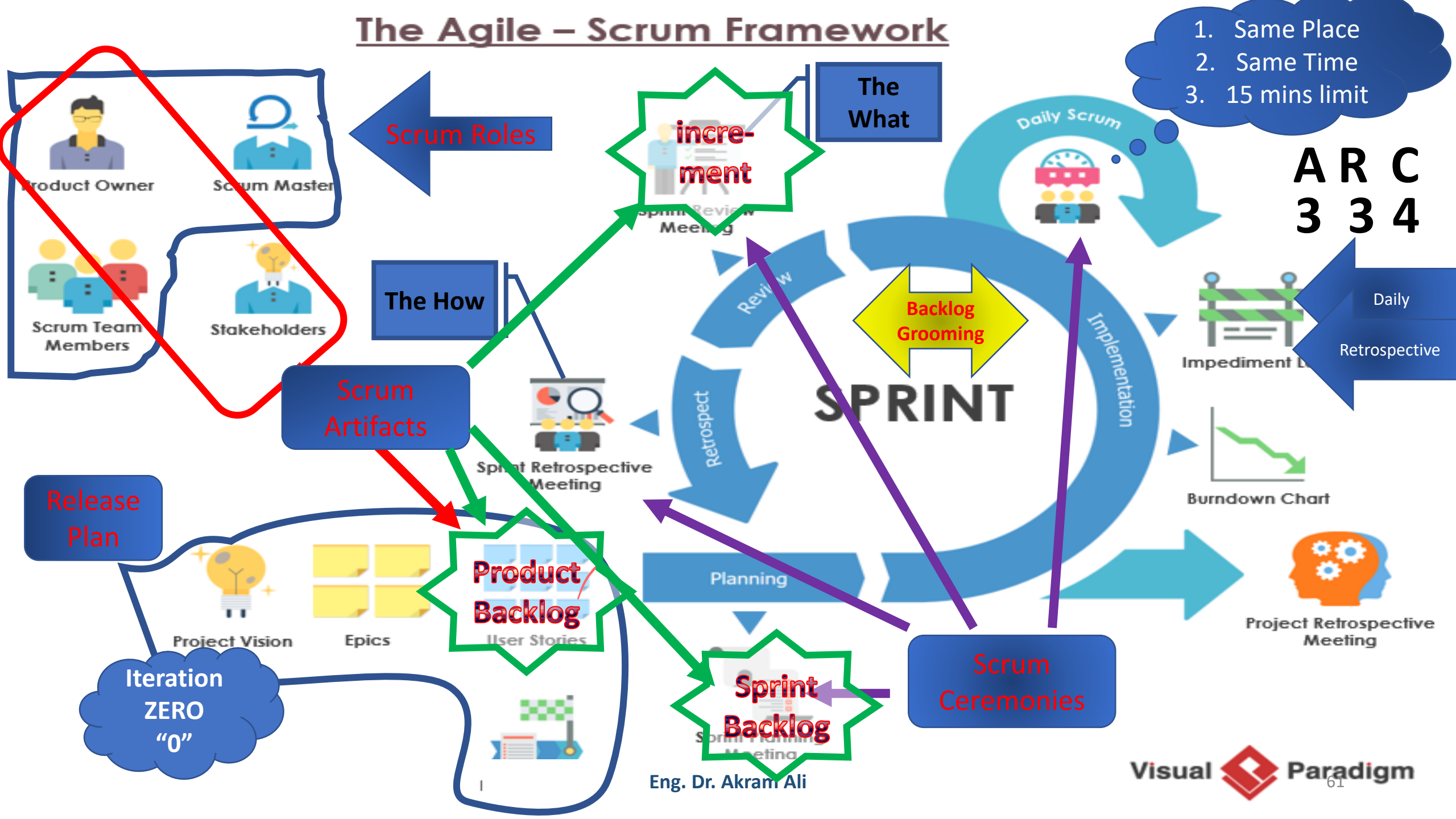
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