



# SNS COLLEGE OF TECHNOLOGY

Coimbatore-35

An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A+' Grade

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai



***DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING***

**SOFTWARE ENGINEERING**

**(Agile UX/UI)**

**UNIT 2 – AGILE DEVELOPMENT**

**TOPIC – Introduction**

Ms A.SUMITHRA

ASSOCIATE PROFESSOR,

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING,

SNSCT, Coimbatore.



# AGILE METHODOLOGY



- Process for developing software
- Agile means
  - Ability to move quickly
  - Responding swiftly to change



# What is Agile ?



## NON AGILE METHOD

- A project can take several months or years to complete and the customer may not get to see the end product until the completion of the project
- Allocate extensive periods of time for requirements gathering ,design ,development, testing and user acceptance testing before finally deploying the project

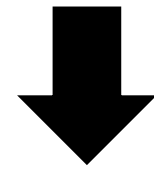
## AGILE METHOD

- It have **Sprints or iteration** which are shorter in duration (which can vary from 2 weeks to 2 months ) during which pre determined features are developed and delivered

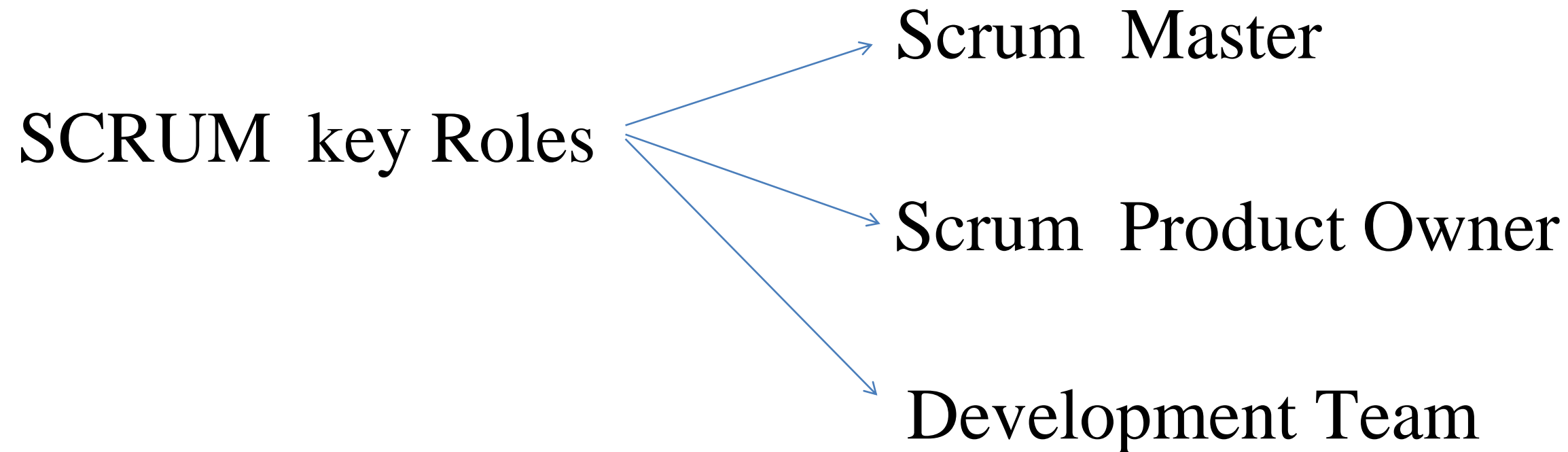


# SCRUM

- Framework for managing work with an emphasis on software development
- Software development —————> **ITERATIONS** (within time boxed )



**Sprints (typically two weeks)**







# The Agile Scrum Framework at a Glance

Inputs from Executives,  
Team, Stakeholders,  
Customers, Users



Every  
24 Hours

**1-4 Week  
Sprint**



**Sprint end date and  
team deliverable  
do not change**



Team selects  
starting at top  
as much as it  
can commit  
to deliver by  
end of Sprint

Task  
Breakout

Ranked  
list of what  
is required:  
features,  
stories, ...

**Sprint  
Backlog**

**Product  
Backlog**

**Sprint  
Planning  
Meeting**

**Finished Work**

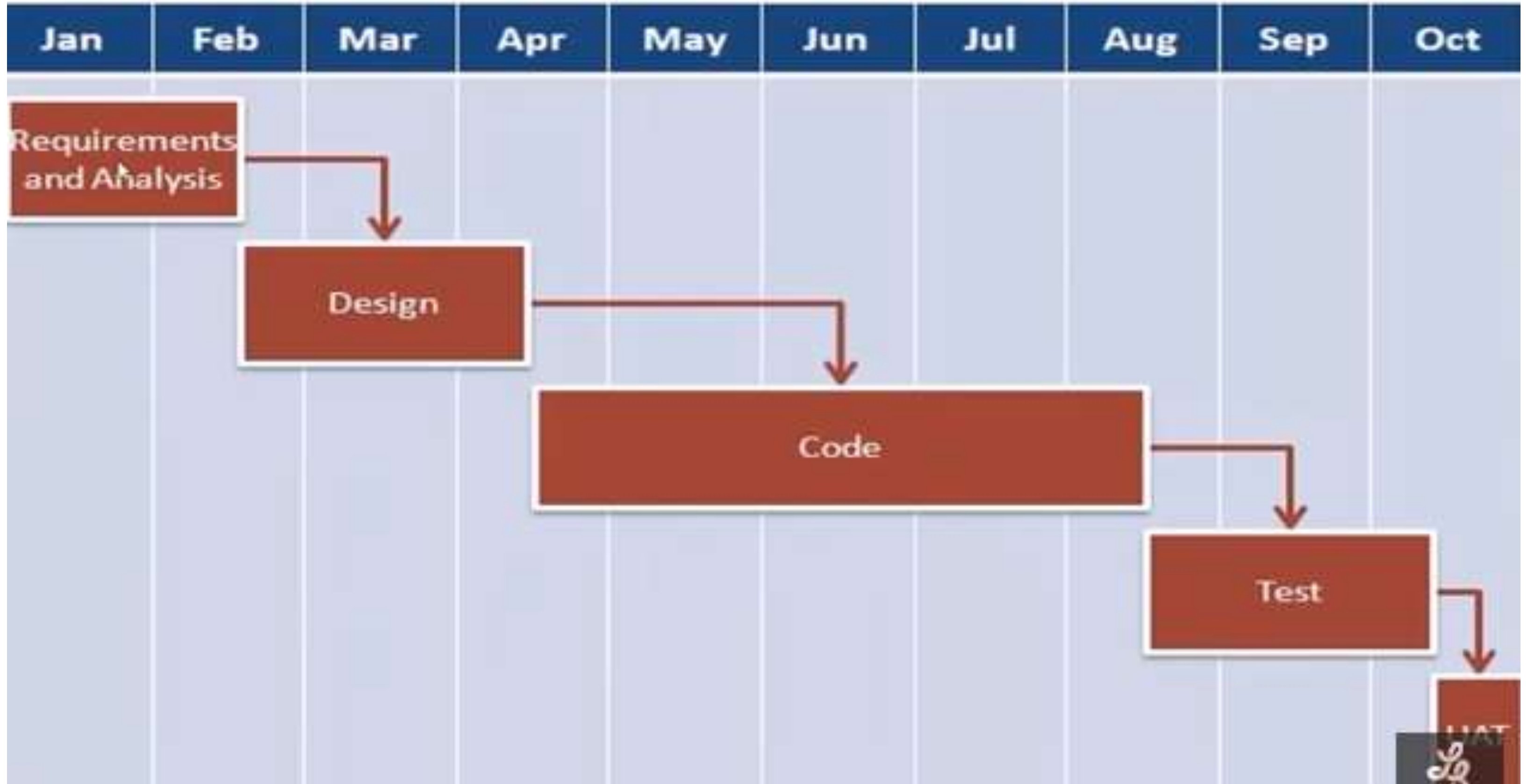
**Sprint  
Retrospective**



# Example of AGILE software development



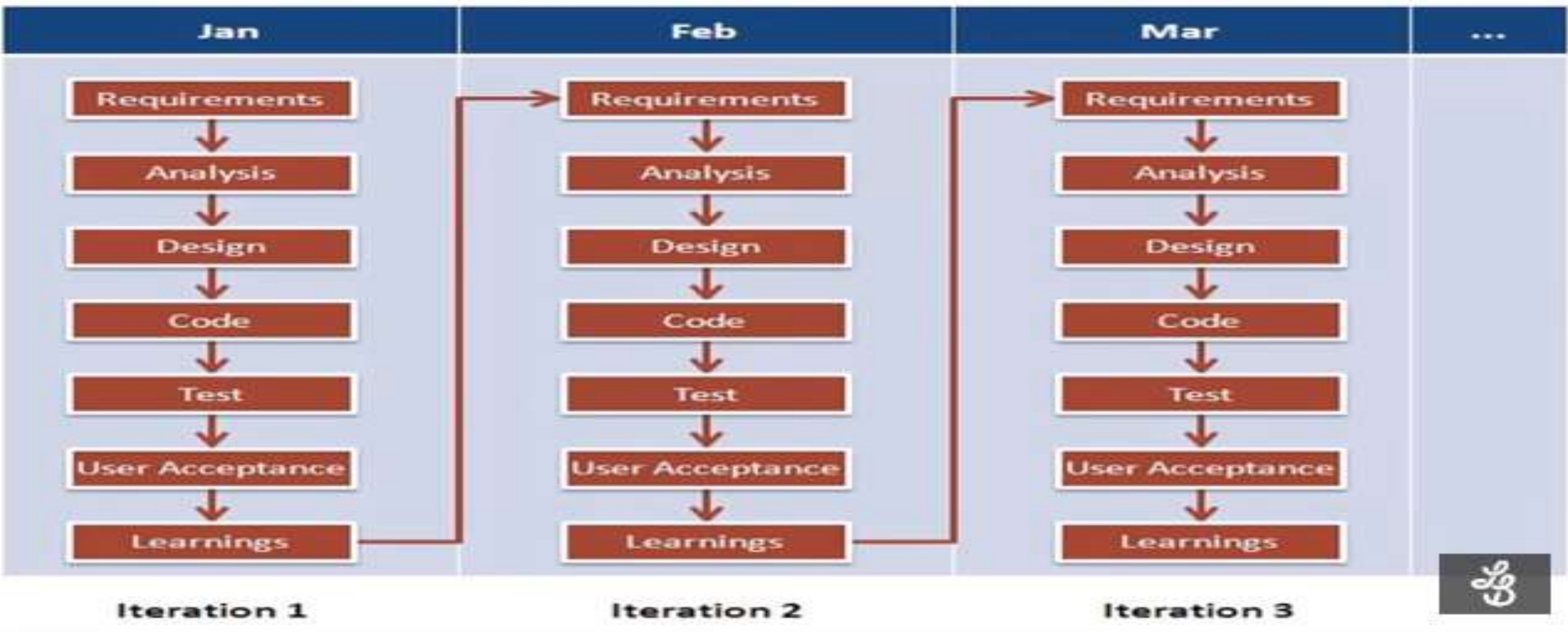
- **Product** –MS Word
- **Features** – All the features provided by MS Word and any other features requested by the marketing team
- **Duration** -10 Months







# AGILE METHODOLOGY







# ADVANTAGES



- The delivery of software is unremitting
- Customer satisfaction is more here
- Changes of the product are done easily and on time
- The daily interactions are required between the business people and the developers. Attention is paid to the good design of the product



## DISADVANTAGES



- Documentation is less
- Unknown risks may occur due to the lack of risk analysis which may leads to unexpected outcome rarely