

Practical Session 01 → Form team and define case study.Case study

"Soleo"

① Project → Development of a personalised health care app.② Development methodology → Agile software development methodology – Scrum Framework③ Goals and aims of the project →

Empower users to manage their health by,

- Appointment Scheduling
- Symptom checker
- Medication Reminders.
- Emergency contact information, etc.

④ Challenges

In traditional healthcare management,

- Fragmented communication among people,
- Disorganized appointments
- Difficulties of remembering medications

can be occur

In suggested Personalised health care app also there can be some challenges

- Data privacy and security → collection of sensitive health data.

- Encouraging user involvement with app
- Continuous upgrading of data collection resources
- Maintain accuracy of information

⑤ Scope of work. – According to Scrum process

① → Product backlog refinement

- ↳ User interviews and surveys
- ↳ Analysing app usage data.
- ↳ Monitor app reviews

} continuously evolving and define new requirements

- ② Sprint planning
- ↳ Selecting sprint backlog items
 - ↳ Creating sprint backlog tasks.

- ③ Daily scrum meetings
- ↳ To discuss each team member's progress
 - ↳ Identify challenges of each user.
 - ↳ Adapting suitable sprint backlog.

- ④ Sprint development.
- ↳ coding
 - ↳ Designing
 - ↳ Testing.

- ⑤ Sprint Review.
- ↳ Development team members show^cases their works.
 - ↳ Demonstrating developed features
 - ↳ Product owner and stakeholder provides feed back.

- ⑥ Sprint Retrospective.
- ↳ After each sprint,
 - ↳ Exploring → What went well
 - What could be improved
 - Adapting and adjusting scrum process .

⑥ Co-features and System Components

Features

- Appointment Scheduling
- Symptom checker
- Medication Reminders
- Health data tracking
- Emergency contact info

System Components

- UI/UX Design
- Architectural Data Base Design
- Security measures
- Notification System
- payment gateway