## Maha-Kumbh Mobile App Development

A development team of 10-15 members is responsible for delivering a mobile app for the Maha-Kumbh festival in 3 months. The team includes:Lead,Scrum Master,Developers (Frontend & Backend),QA Testers and UI/UX Designers

## Step-by-Step Planning:

- 1.User Story Selection: As a pilgrim, user want to register on the app using his phone number so that she/he can receive personalized notifications regarding timing update, emergency messages, crowd status, lost & found, direction maps.
- 2.Discussion:The team discusses aspects such as UI design, backend APIs, database integration, and SMS service.Developers express concerns about third-party SMS integration complexity.QA highlights test cases for multiple user scenarios.
- 3. Card Selection & Revealing:
  - Each member picks a card representing their estimate:
  - Developer A: 8Developer B: 9UI/UX Designer: 5
  - QA Tester: 7
  - Backend Dev: 14
  - The estimates range between 7 and 14.

## 4. Discussion & Re-Voting:

The UI/UX Designer explains that creating a simple registration page is easy, leading to their estimate of 5.

The Backend Developer justifies 14 due to API security concerns.

After discussion, the team votes again and agrees on 9 story points.

## 5. Final Estimation & Backlog Update:

The story is assigned 9 story points.

The process continues for other stories.

Q2.

Measuring Software Development Waste in Open-Source Software Projects using PRR:

PRR=rejected PRs over total merged PRs.

Open source link: <a href="https://github.com/facebook/react-native">https://github.com/facebook/react-native</a>

PRR=28/20886=0.00134

PRR in percentage = 0.13%

This indicates good management of the repository that is taken.