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.
- 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: 5
 - •Developer B: 8
 - •UI/UX Designer: 3
 - •QA Tester: 5
 - •Backend Dev: 8
 - •The estimates range between 3 and 8.
- 4. Discussion & Re-Voting:
- •The UI/UX Designer explains that creating a simple registration page is easy, leading to their estimate of 3.
 - •The Backend Developer justifies 8 due to API security concerns.
 - •After discussion, the team votes again and agrees on 5 story points.
- 5. Final Estimation & Backlog Update:
 - •The story is assigned 5 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: https://github.com/facebook/react-native

PRR=28/20886=0.00134

PRR in percentage = 0.13%

This indicates good management of the repository that is taken.