



# Cultivating Integrity with 4IR Accountability

Dr\* Frans F Blauw

Sharing GOOD PRACTICE – Assessment with Integrity

*\* pending graduation*



UNIVERSITY  
OF  
JOHANNESBURG













# Cultivating Accountability

---





# Accountability

*“It is not only what we do, but also what we do not do, for which we are accountable.”*

**- Moliere**



# Centralised Work Allocation

---



UNIVERSITY  
OF  
JOHANNESBURG

看板

# Kanban Boards

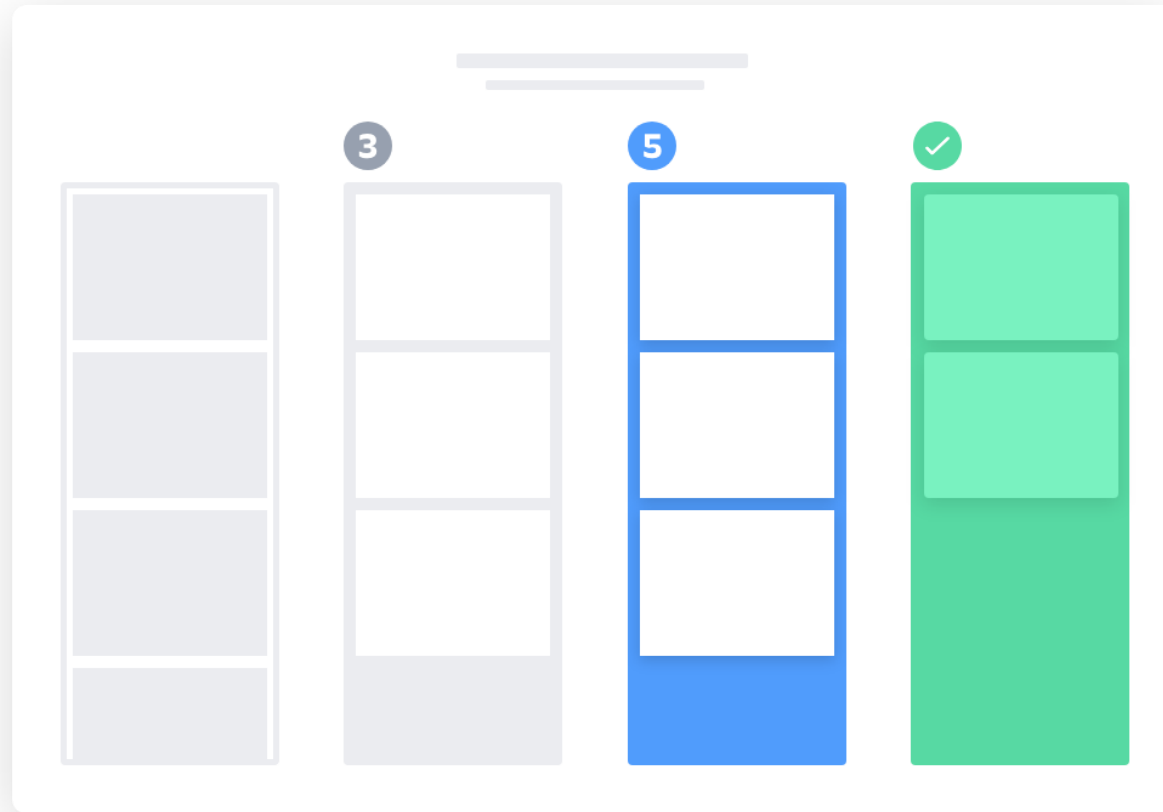
- Agile Project Management tool
  - Originates from Lean Manufacturing
- Centralised Work Allocation
  - Visualise work and allocation
  - Reduce duplication
  - Maximise efficiency

# 看板

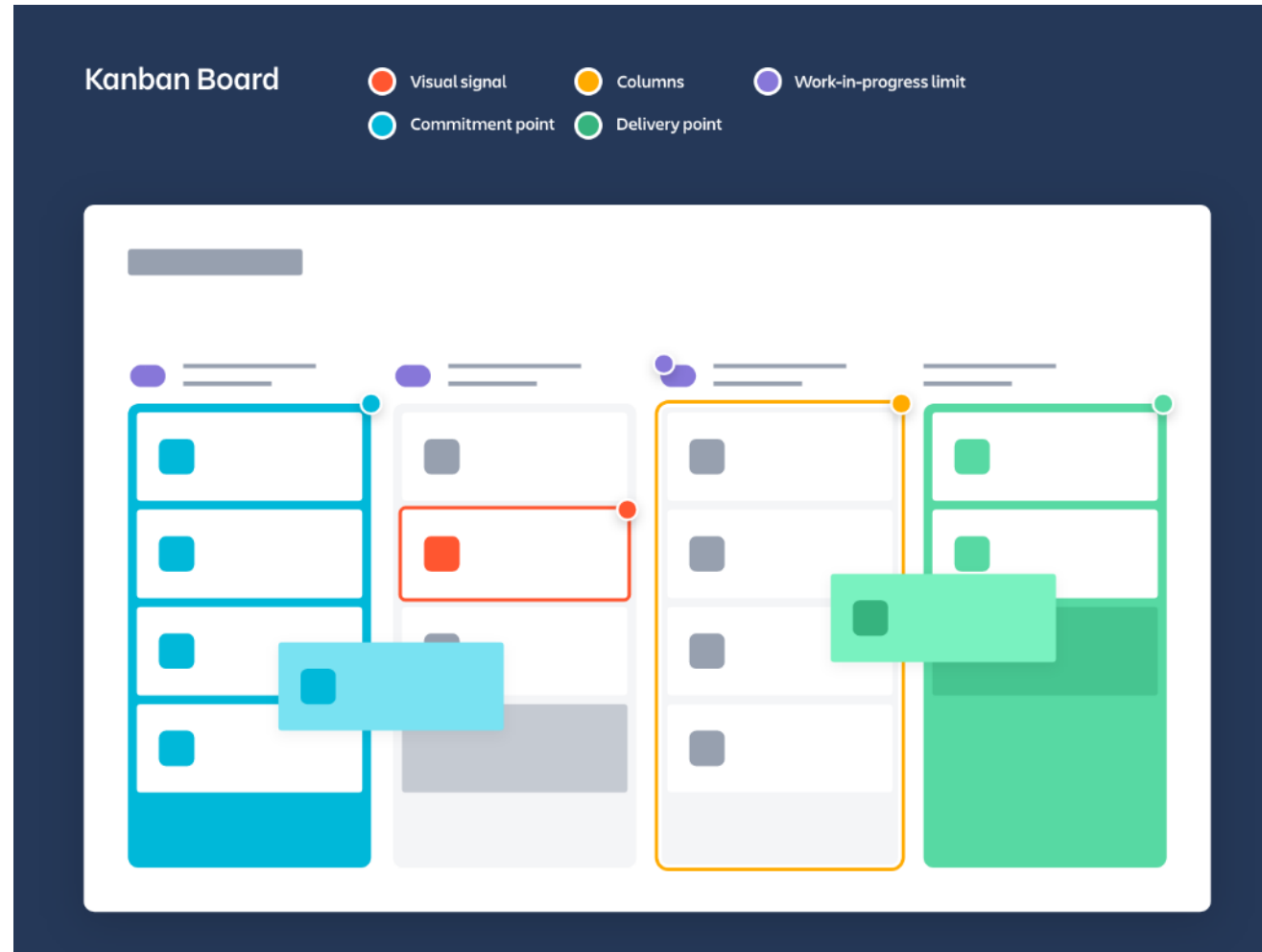
“*Kanban*” is the Japanese word for “**visual signal**”



# Kanban Boards



# Kanban Boards





**GitHub**



GitLab





# GitHub



# Kanban Boards

**Deliverable 1**  
Updated just now

**9 To Do** + ...

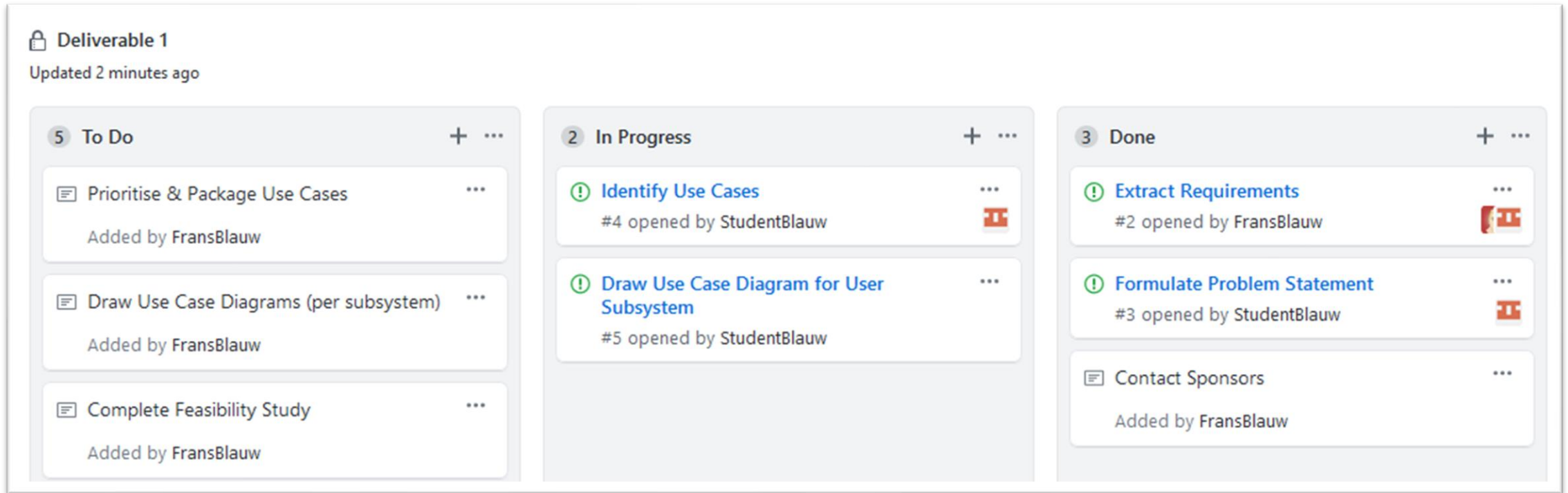
- Contact Sponsors  
Added by FransBlauw
- Formulate Problem Statement  
Added by FransBlauw
- Extract Requirements  
Added by FransBlauw
- Identify Use Cases  
Added by FransBlauw

**0 In Progress** + ...

**0 Done** + ...



# Kanban Boards




# Running feedback

## Extract Requirements #2

🔔 Open FransBlauw opened this issue 2 minutes ago · 1 comment


---




FransBlauw commented 2 minutes ago + 😊 ...


*No description provided.*


---




 FransBlauw created this issue from a note in **Deliverable 1 (To Do)** 2 minutes ago


---




 FransBlauw moved this from **To Do** to **In Progress** in **Deliverable 1** 2 minutes ago

---



 FransBlauw assigned **StudentBlauw** and **FransBlauw** a minute ago

---



StudentBlauw commented 12 seconds from now + 😊 ...

I extrarcted de requirements for de cleint



# Kanban Boards

| 4 Open ✓ 0 Closed                            |                           | Sort ▾ |
|--|---------------------------|--------|
| <b>Deliverable 1</b><br>🕒 Updated 3 days ago | Requirements and Analysis | ...    |
| <b>Deliverable 2</b><br>🕒 Updated 5 days ago | Specification             | ...    |
| <b>Deliverable 3</b><br>🕒 Updated 5 days ago | Architecture Design       | ...    |
| <b>Deliverable 4</b><br>🕒 Updated 5 days ago | Project Management        | ...    |



# Introduction

---

This project of our's is so *fantastic*.

**Lorem ipsum** dolor sit amet, consectetur adipiscing elit.

Sed hendrerit urna eget nunc finibus mattis. Curabitur pharetra vel mauris id lobortis. Vivamus ut ultrices arcu. Nunc eleifend nisl ac tortor tristique, non sollicitudin elit euismod. Phasellus non consectetur velit. Aenean ac dolor id augue pharetra consequat. Vestibulum non augue in sem euismod luctus sed id elit. Maecenas venenatis ligula metus, in ultricies metus fermentum non. Maecenas porttitor condimentum fermentum. Aliquam ac egestas risus, non vehicula mauris. Nam commodo non odio eget pellentesque. Phasellus placerat consequat dignissim. Quisque lobortis accumsan magna, ut ullamcorper libero. Nam urna odio, auctor et dapibus eu, mattis id arcu.

## Level 2

---

Cras non odio non sapien vehicula vulputate. Nulla facilisi. Pellentesque vel ante dui. Fusce et ullamcorper tortor. Aenean sed massa eu ipsum consequat dignissim. Nam tempor erat non consectetur aliquam. Duis id scelerisque sem, id molestie odio. Proin dapibus ipsum vel consectetur accumsan.

## Level 3

Maecenas sed accumsan ex, quis consequat libero. Aliquam vel turpis et eros gravida tempor nec sed nibh. Aliquam erat volutpat. Nulla sed lectus sed nibh gravida aliquet. Nam interdum ex non accumsan ornare. Sed tristique a tortor sed semper. In vulputate cursus sem. Curabitur condimentum eros eu ante tristique, quis pharetra tellus finibus. Etiam ut felis sit amet metus vulputate dapibus quis ullamcorper ante. Nulla finibus, lorem quis sollicitudin sodales, felis purus egestas turpis, nec dignissim arcu magna aliquam dui. Nam condimentum elit eu enim aliquet, nec feugiat diam ultrices. Sed porta iaculis felis, eget ultrices metus facilisis sed. Vestibulum tempor rhoncus orci, vel aliquam felis molestie quis. Nulla nec quam magna.

100644 | 19 lines (12 sloc) | 2.94 KB

 Initial commit 7 months ago

1 # Introduction

2

 Added usecase1 7 months ago

3 This project of our's is so **\*\*\*fantastic\*\*\***.

4

5 **\*\*Lorem ipsum\*\*** dolor sit amet, consectetur adipisc

6

7 Sed hendrerit urna eget nunc finibus mattis. Curabi

 Initial commit 7 months ago

8

9 ## Level 2

10 Cras non odio non sapien vehicula vulputate. Nulla

11

12 ### Level 3

13 Maecenas sed accumsan ex, quis consequat libero. Al

14

15 ## Level 2

16 Phasellus ac ante in nisl eleifend laoreet. Aliquam

17

Commits on Oct 27, 2018

Added an updated dump file

 committed on Oct 27, 2018

 `027e331` 

Merge pull request #186 from IFMTYP/CompareGraphTeam ...

 committed on Oct 27, 2018

Verified

 `0c254c7` 

Got team graph to work with comparison as well

 committed on Oct 27, 2018

 `d8dc039` 

Got comparison graph working

 committed on Oct 27, 2018

 `41e2de7` 

Commits on Oct 26, 2018

worked on getting date workign

 committed on Oct 26, 2018

 `fd5b712` 

Merge branch 'master' of https://github.com/IFMTYP/

 committed on Oct 26, 2018

 `8f0aeb1` 

Worked on Colours

 committed on Oct 26, 2018

 `bc1b703` 

Merge branch 'master' of https://github.com/IFMTYP/

 committed on Oct 26, 2018

 `8ce40cd` 

added comparing functionality

 committed on Oct 26, 2018

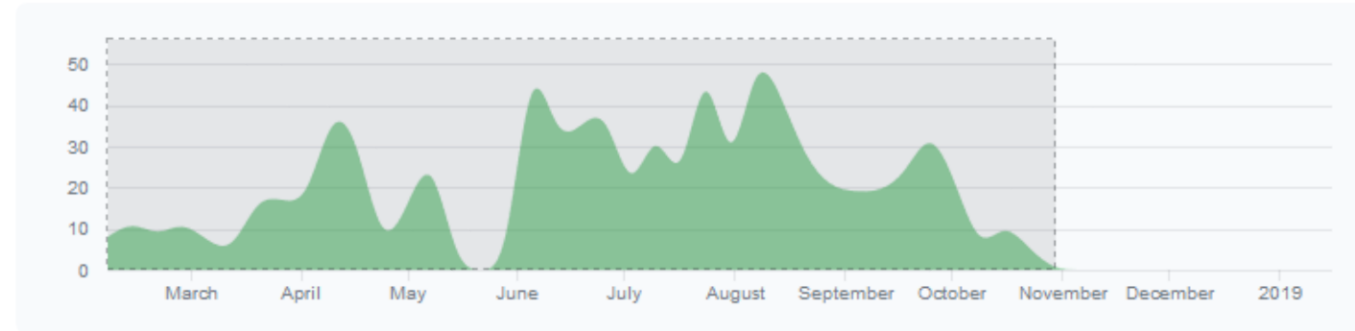
 `94fc94b` 



Feb 11, 2018 – Nov 4, 2018

Contributions: Commits ▾

Contributions to master, excluding merge commits



# Cultivating Integrity

---



# Integrity

*“Integrity is making sure that the things you say and the things you do are in alignment.”*

**- Katrina Mayer**



# Review

---



UNIVERSITY  
OF  
JOHANNESBURG











# Awarding of Marks

---



UNIVERSITY  
OF  
JOHANNESBURG

# Effort

- **Mark Project not team**

- Mark awarded to the document as a whole

- **Assign Effort**

1. Effort assigned by marker/tutor to each team member

- Discuss effort with students
- Ensure that each team member gets equal coverage

2. Effort assigned by each team member to one another (peer review)

- Ensure guidance is given



# Effort Calculation

- $W$  = % of student's actual input into the project (assign by marker/tutor/peer-review)
- $V$  = % of student's expected input into the project (equal among members)
- $P$  = Mark awarded to the project by marker
- $F$  = Factor indicating the student's input which is calculated as:

$$F = \frac{(W - V)}{V}$$

•  $E_x$  = Mark allocated to team member:

$$E_x = \begin{cases} P \times \left( 1 + F \frac{(100 - P)}{100} \right), & F \geq 0 \\ P \times \left( 1 + F \frac{(0 + P)}{100} \right), & F < 0 \end{cases}$$

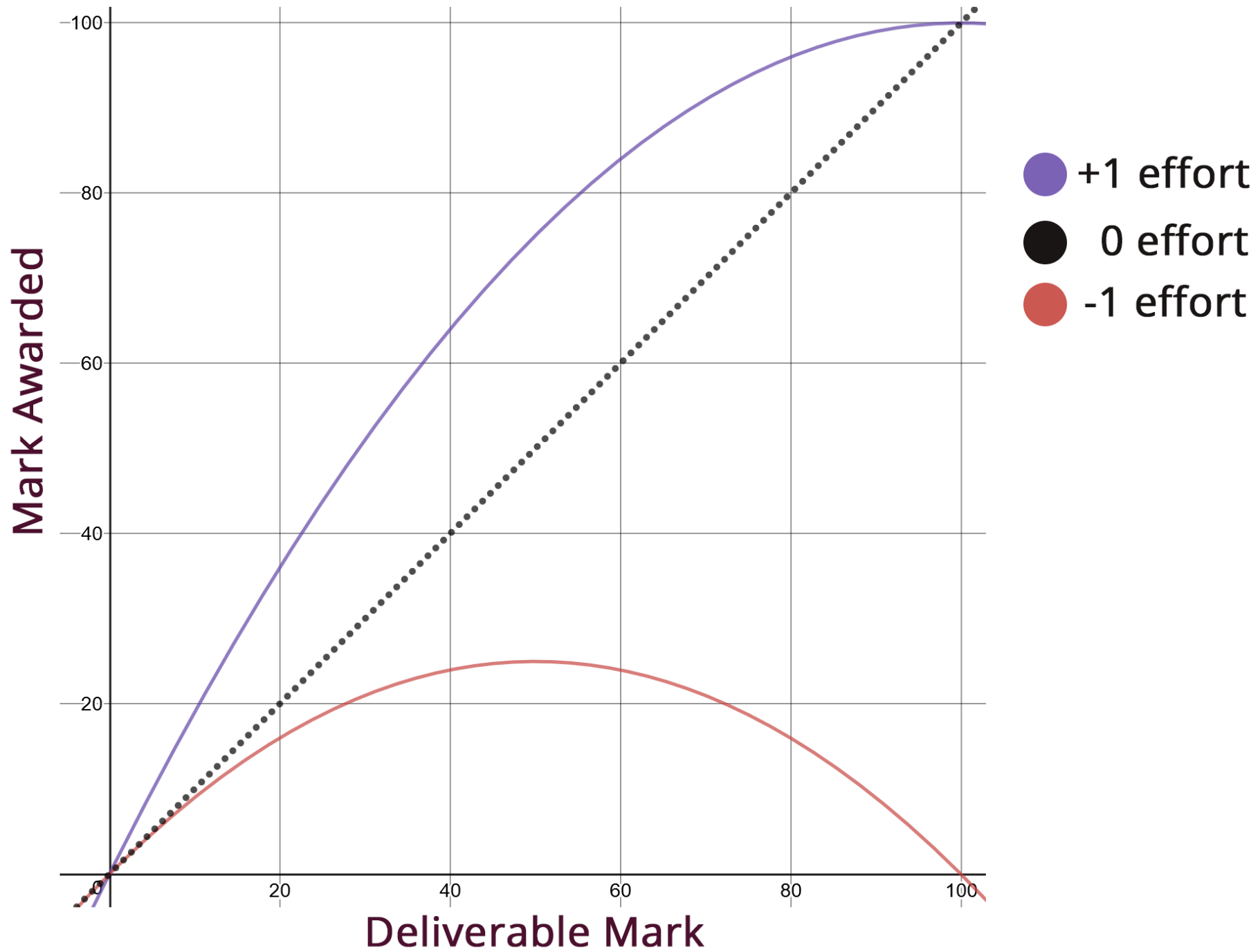


# Document Mark Calculation

- $P_n$  = Project  $n$
- $E_m$  = Effort-adjusted mark assigned by marker
- $E_p$  = Effort-adjusted mark assigned by peer-review
- $IPM_n$  = Individual Project Mark for  $P_n$ , calculated as:

$$IPM_n = 0.7E_m + 0.3E_p$$





# Cultivating Integrity with Accountability

---





*Thank you!*

