

Transforming Education with AI-Driven Insights and Student Feedback

 University of New South Wales | Sydney, Australia

 May 13-14, 2024

Co-hosted





Generative AI Assisted Formative Feedback

What Works, What Doesn't, Why Does it Matter



❖ Content

- 01** Course Context
- 02** Student-Industry Interactions
- 03** Team-Based Learning
- 04** Formative Assessment
- 05** Why Does it Matter?



001

Course Context

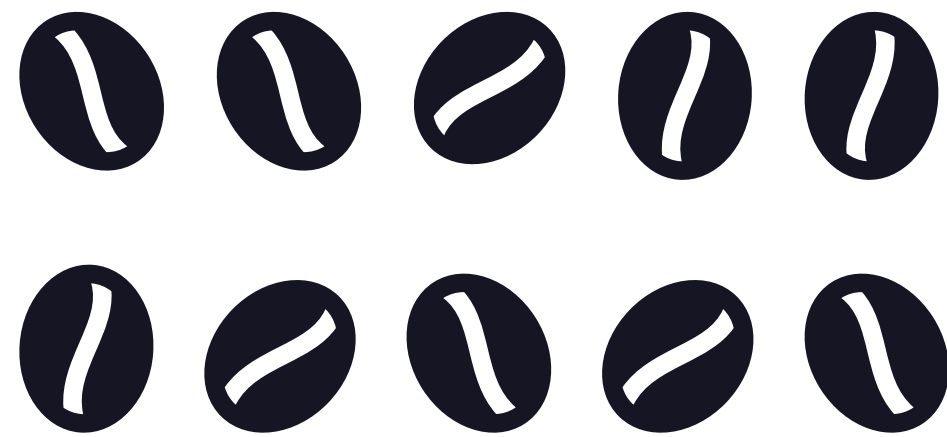
❖ 01 Course Context



Photo by Wade Austin Ellis, Unsplash



❖ Course Context



Only 10% of coffee bean turn into coffee



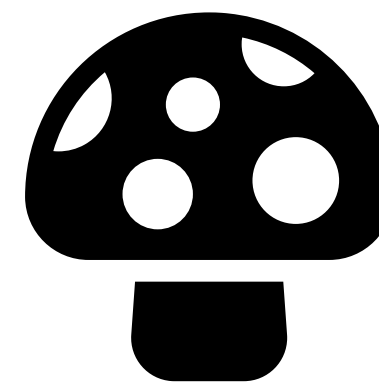
921 café in City of Sydney



100 million cups of coffee



3000 tonnes of spent coffee ground

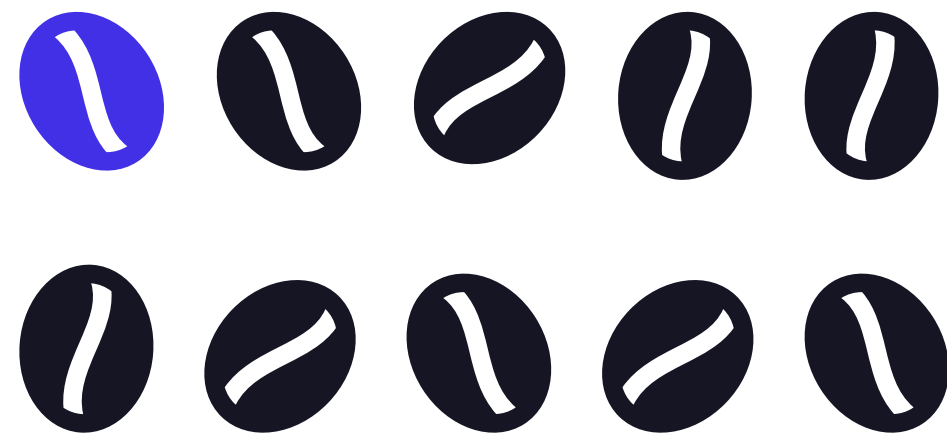


7% in horticulture



93% in landfill

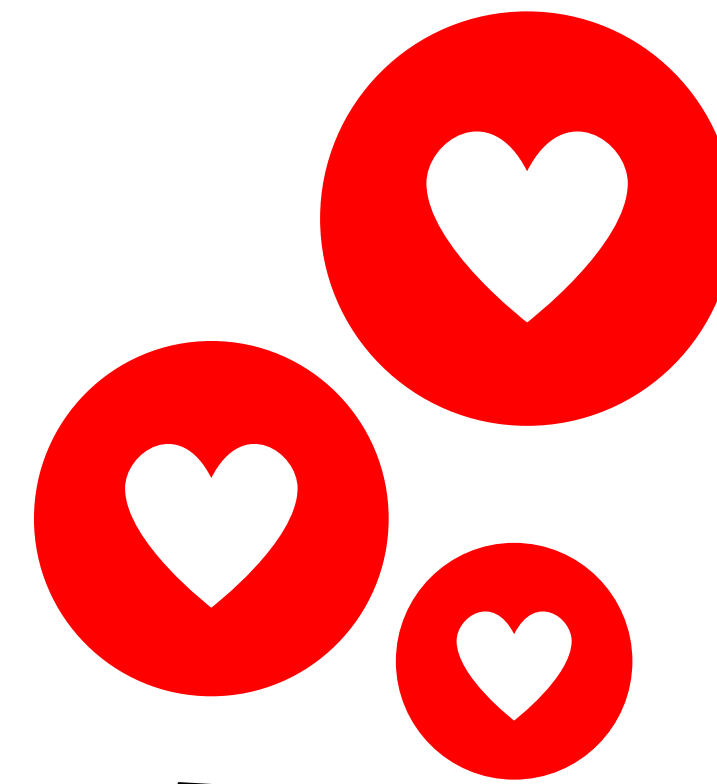
✦ Course Context



Only 10% of coffee bean turn into coffee



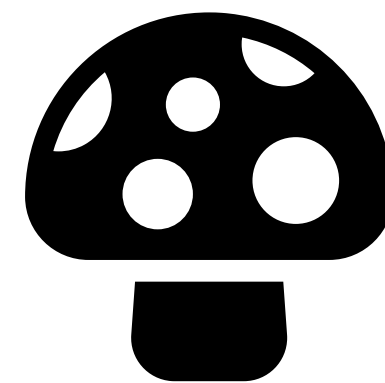
921 café in City of Sydney



100 million cups of coffee



3000 tonnes of spent coffee ground



7% in horticulture



93% valorisation

❖ 01 Course Context

 User Research

 Define Problem

 Ideate Solution

 Prototyping

 User Testing

❖ 01 Course Context

 User Research

 Define Problem

 Ideate Solution

 Prototyping

 User Testing

 Ideate Solution

 Prototyping

 User Testing

 Define Problem

 User Research

❖ 01 Course Context



02

Student-Industry Interactions



Registration & Badge Collection

REGISTRATION & BADGE COLLECTION



1

REGISTER HERE

ENTRY LOWER HALLS

LEVEL 4
Upper Exhibition Halls
Registration & Badge Collection

LEVEL
Professional Lounge
Breakout Rooms

The ultimate



Hey there, great to meet you. I'm Pi, your personal AI.

My goal is to be useful, friendly and fun. Ask me for advice, for answers, or let's talk about whatever's on your mind.

How's your day going?

Pi Talk with Pi



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Workshop 1A • Fine Food Australia

ADORE COFFEE ROASTERS (B4)



finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 2 comments

May Lim 2mo
I spoke to Nick Mastro, owner of Adore Coffee Roaster. Adore is a coffee roaster based in Silverwater. They sell coffee beans and consumer grade coffee accessories online. They are also a wholesaler of coffee machine and equipment. They also run brewing workshop and barista training courses and have a strong social media (Instagram and Facebook) presence.

May Lim 2mo
Nick said the extreme competitiveness of the coffee market makes increasing prices very difficult. "Relationships are key in our businesses and we need to keep price increases low to support our clients who have already gone through a couple of extremely challenging years," said Nick. "We look for other areas of our business where we can make savings first and take a more conservative approach at this time," he said.

Add comment

Instruction for Exhibitor Section

Speak to at least one exhibitor about coffee ☕, or sustainability 🌱 in the food industry. Post what you learn from the exhibitor by replying to the post with their company name. Including information such as who you spoke to, where is the company based in, what is their core business, who are their customers, what sustainability challenge do they have.

0 likes 0 comments

Add comment

ANHUI MOSEN IMPORT AND EXPORT (H44)



finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 0 comments

Add comment

AXIL COFFEE ROASTERS (A35)



finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

1 like 2 comments

Wagner Rieder 2mo
Axil coffee roasters suspected that a cafe produces between 30-40kg of waste coffee grounds per week, all of which go into general waste in their company. They also highlighted that the roast solubility affects the 10-20% ratio of coffee being removed from the bean.

Add comment

BARISTA GROUP CO (A24)



finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 1 comment

Team D (Iisa and Sin yuan) 2mo
While Barista Group Co does not specifically focus on the waste management of coffee grounds, they have shared some creative ideas for repurposing them. These ideas include utilising coffee grounds in the garden as a natural fertilizer, incorporating them into cosmetic exfoliate products, using them in candles for a unique aroma, extracting essential oils from the grounds, and creating scrubs for skincare purposes.

Add comment

BARISTA EQUIP AUSTRALIA (C17)



finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 0 comments

Add comment

BEST ITALIAN SELECTION (HT8)



finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 0 comments

Add comment

BUBBLE HEAVEN (B54)



finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 1 comment

WaeYin Pan - team H 2mo

Add comment

CAFEMASTER AUSTRALIA (A15)



finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 0 comments

Add comment

GRAND'CRU COFFEE (C19)



finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 3 comments

Shirley Wang 2mo
Composting

Shirley Wang 2mo
They have cut down on waste by making as much of their product as biodegradable as possible (cups, bags, tabs), and give their spent grounds to nearby communities to be used for compost

May Lim 2mo
Good find Om!

Add comment

HAWAII DEPARTMENT OF AGRICULTURE (M4)



finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 4 comments

David Team D 2mo

David Team D 2mo
I spoke with the Hawaii department of agriculture, which is the marketing and certification front for Hawaiian agricultural businesses, with their role being in certifying that agricultural products have been grown or manufactured in hawaii, and marketing these products to external buyers as a guarantor of product authenticity and quality.

Shirley Wang 2mo
they mentioned that while not involved with the production or waste side of the coffee industry in Hawaii, they have noticed a sustainability push among their represented business partners with regards to coffee waste. since Hawaii is a remote island chain, the state has to put great consideration into

Add comment

EXPRESSO DECK (B20)



finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 0 comments

Add comment

FAMA (M54)



finefoodaustralia.com.au


Exhibitor Profile - Fine Food Australia

1 like 1 comment

Amirul - Team I 2mo

Add comment

EXPRESSO COMPANY AUSTRALIA (C16)



finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 0 comments

Add comment

FIVE SENSES COFFEE (D24)



finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

1 like 3 comments

Team D 2mo

Team I 2mo
Our team focus on how much benefit can be gain from recycled the coffee ground for Five Sense Coffee. They tell us currently dispose the coffee grounds by contractor, which charge \$50 per 10 L approximately. Another finding is about the waste generation, about 80% weight from coffee bean to coffee grounds.

Shirley Wang 2mo
Five Senses often conduct their own research and collaborate with different companies to limit the amount of waste produced. They also compare most of their crops in order to create a better harvest that can be distribute to various locations. However, they said that there aren't many resources available for recycling the waste. It's good to hear that they attempt to use recycled coffee to create a number of new products and also sent the waste to the nearby farmers. They heard that the

Add comment

ESPRESSOLOGY PTY LTD (C10)



finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 2 comments

Brandon- Team G 2mo

Team D 2mo
Team D- I spoke with Espressoology who specialise in contract roasting for top coffee brands regarding waste management strategies and I found out Espressoology faces the issue of coffee skin or husk disposal. The outer layer of the coffee bean, known as the husk or skin, is a byproduct generated during the coffee processing stage. To address this waste, they have implemented a sustainable solution by collaborating with local farms. These farms collect the coffee husk to repurpose it as cattle feed, reducing waste and contributing to a more environmentally friendly approach.

Add comment

GEEBEE'S FOODS AND BEVERAGES PVT LTD (N46)




finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 0 comments

Add comment

GRINDERS COFFEE ROASTER (D37)



finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 1 comment

Team F claimed 2mo

Add comment

MILKLAB (D8)



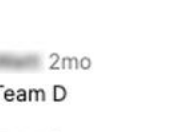
finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 0 comments

Add comment

HSK WARD GROUP (HF2)



finefoodaustralia.com.au

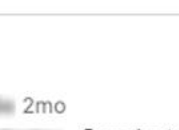
Exhibitor Profile - Fine Food Australia

0 likes 1 comment

Team A 2mo
I spoke to this group. They serves us espresso martinis and had a game to play gold and win a bottle. We shares what our project involved and if they had any ideas of the use for spent coffee grounds. They said they were mainly involved in the manufacturing process of converting coffee beans to coffee grounds and less in the waste like cafes. However they said the main uses of spent coffee grounds are in skincare for scrubs or in

Add comment

LATTE ART FACTORY (B11)



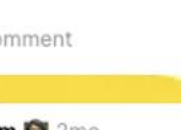
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Exhibitor Profile - Fine Food Australia

0 likes 0 comments

Add comment

MELITTA PROFESSIONAL AUSTRALIA (C22)



finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 0 comments

Add comment

HECHAM COFFEE & NUTS ROASTER (HE2)



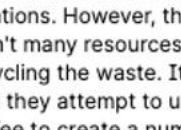
finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 0 comments

Add comment

MOCOPAN COFFEE (A2)




finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 0 comments

Add comment

ESPRESSOLOGY PTY LTD (C10)



finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 0 comments

Add comment

ILLY AUSTRALIA (A8)



finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 2 comments

Team D 2mo

Team B 2mo
Team B was able to learn about illy's sustainability practices, namely the

Add comment

PREMIERNORTHPAK (H34)



finefoodaustralia.com.au

Exhibitor Profile - Fine Food Australia

0 likes 0 comments

Add comment

Comment

I spoke to [REDACTED] owner of Adore Coffee Roaster. Adore is a coffee roaster based in Silverwater. They sell coffee beans and consumer grade coffee equipment. They also run brewing workshop and barista training courses and have a strong social media (Instagram and Facebook) presence.

[REDACTED] said the extreme competitiveness of the coffee market makes increasing prices very difficult. "Relationships are key in our businesses and we need a couple of extremely challenging years," said [REDACTED]. "We look for other areas of our business where we can make savings first and take a more conservative approach."

Axil coffee roasters suspected that a cafe produces between 30-40kg of waste coffee grounds per week, all of which go into general waste in their commercial kitchen, being removed from the bean.

Team [REDACTED] Our team prepared two questions for Axil Coffee, the first one is how did they deal with the coffee ground? They told us they take away the coffee ground regularly. Another question is about how much coffee ground will generated for 1 kg coffee bean? They said the conversion rate is 1kg coffee bean will generate 1kg coffee ground.

Team D ([REDACTED])- While Barista Group Co does not specifically focus on the waste management of coffee grounds, they have shared some creative ways to use the garden as a natural fertilizer, incorporating them into cosmetic exfoliate products, using them in candles for a unique aroma, extracting essential oils from the grounds.

[REDACTED] team H

Use biodegradable coffee tabs - made of aluminium or organic material from coffee beans

[REDACTED] Team I

team G

Team A

Team F

Team F claimed

[REDACTED] - Team G

Team D- I spoke with Espressoology who specialise in contract roasting for top coffee brands regarding waste management strategies and I found out that coffee husk, known as the husk or skin, is a byproduct generated during the coffee processing stage. To address this waste, they have implemented a circular economy approach by using the husk to repurpose it as cattle feed, reducing waste and contributing to a more environmentally friendly approach.

[REDACTED] Team I



ChatGPT

Summary of Key Information on Coffee and Food Sustainability:

1. AI and Robotics in the Food Industry:

- AI integration is becoming prevalent in food technology and businesses. For instance, robotic waiters have been active, especially on weekends, serving over 2500 tables and completing 4660 tasks.
- The principle of "stop pivoting, be agile" suggests adaptability in business planning is crucial.
- Automation can help businesses now and in the future.

2. Sustainable Practices in Processing:

- To maximize sustainability, all parts of a process can be overseen and controlled closely, such as water waste management where water waste is reused for trees and farms.

3. Coffee Waste and Sustainability:

- Axil coffee roasters highlighted that a cafe might produce 30-40kg of waste coffee grounds weekly, which usually goes into general waste.

03

Team-Based Learning






Welcome to the class!

Try @mentioning the class name or student names to start a conversation.

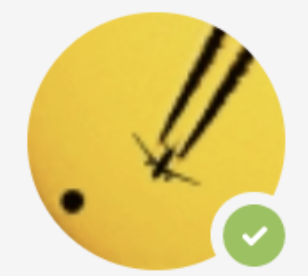
Today



May Lim 3:17 pm
Scheduled a meeting

 **Team X Meeting Room** ...
Monday, 16 September 2024 @ 12:00 am

← Reply

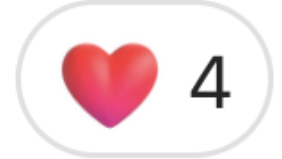


May Lim 13/09 10:32 pm

Meeting Room Team I

Hi **Team I** - you are now set as organizer of your Meeting Room meeting invite - this mean you can change the meeting date and time etc. If you want to hold a hybrid meeting, set "KENS HILMER E10 Lv2 223 (enter via SEB E8)" as the location - the hybrid meeting room will then be booked for you. As mentioned in class, please use the Meeting Room as we will be analysing the transcript to monitor and provide you with feedback. The transcript will also be used as evidence of teamwork and contribution later on for your Design Journal.

[See less](#)



15 replies from you, 





Search



Team F Meeting Room

Chat Details +6 +

Join

Close



10/11/2023

Download Download Delete

- Download as .docx
- Download as .vtt

10/11/2023

Description

03/11/2023

11:00 am

[User] joined the meeting

02/11/2023

11:00 am

[User] joined the meeting

02/11/2023

[User] 11:00 am

Hello.

01/11/2023

Yes.

29/10/2023

How would you rate the transcript?



Activity

Chat

Teams

Assignme...



Apps

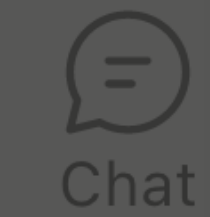
Add a title

Wrap text

Text



- 1 Your task is to extract the following information from a meeting transcript:
- 2 – List the attendees under the heading [ATTENDEES].
- 3 – Provide a short summary of the discussion under the heading [SUMMARY].
- 4 – If applicable, provide a bullet list of action items (what needs to be done and who is doing it) under the heading [ACTIONS].
- 5 – If applicable, provide a bullet list of topics that need to be discussed in the next meeting under the heading [FOLLOW-UPS].
- 6 – For each attendee, provide a bullet list of questions they asked under the heading [QUESTIONS].
- 7 – For each attendee, summarize their contributions to the meeting discussion under the heading [CONTRIBUTIONS].





Search

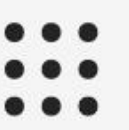


Team I

Posts

Meeting Summary

7 more



Team I



Search (Option + Q)



Team I_20230913.vtt

[ATTENDEES]

1. [Redacted]
2. [Redacted]
3. [Redacted]
4. [Redacted]
5. [Redacted]
6. [Redacted]

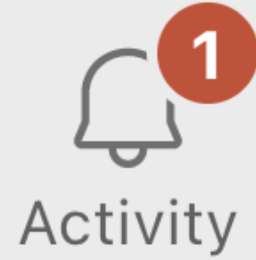
[SUMMARY]

The meeting was primarily about discussing the feasibility of using coffee grounds as the main focus of their project. The attendees shared their insights on the waste and cost of waste management from coffee shops. They agreed to focus on coffee grounds for their project and discussed potential applications such as turning the grounds into fertilizer or other products. They also discussed the need for research on coffee grounds projects that have been done and how to prototype their ideas.





Search

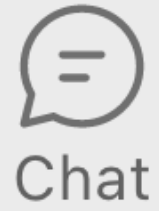


Team I

Posts

Meeting Summary

7 more



Team I



Search (Option + Q)



Teams



Assignme...



Apps

[ACTIONS]

1. All attendees to read Assessment Guide 1 before the next meeting.
2. All attendees to consider how to prototype their chosen project, keeping in mind the life cycle of coffee, energy generation and environmental applications.
3. All attendees to conduct research on existing coffee grounds projects.

[FOLLOW-UPS]

1. Discussion on individual reports based on the "16 things" life cycle of coffee, energy generation, environmental applications.
2. Further discussion on prototyping ideas for the coffee grounds project.

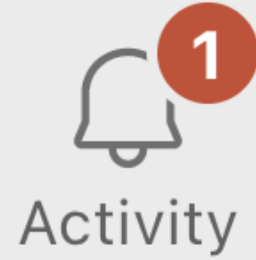
[QUESTIONS]

- Do we all agree to focus on coffee grounds?
- Do you want to make other options?

No specific questions asked



Search

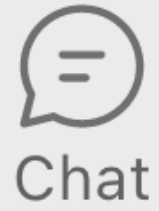


Team I

Posts

Meeting Summary

7 more



Team I



Search (Option + Q)



[CONTRIBUTIONS]

[Redacted]

- Led the meeting and guided the discussions.
- Shared insights on packaging, waste management, and sustainability.

[Redacted]

- Suggested researching existing projects and considering prototyping methods.

[Redacted]

- Shared insights from coffee shop exhibits about waste generation and management.
- Suggested designing a small scale solution for coffee shops to manage their own waste.

[Redacted]

- Shared insights from a packaging company about using recyclable materials.

[Redacted]

- Supported the focus on coffee grounds and emphasized the need to finalize the project target before the next workshop.



Assignme...



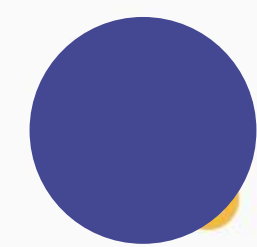
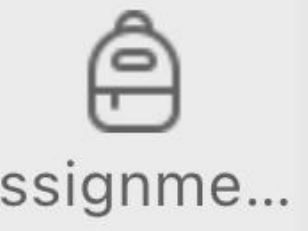
Apps



Team E

- Posts
- Files
- Meeting Room
- Workbook E
- 5 more ▾
- +

- 
- 
- 
- 



06/10 2:06 pm Edited

Hi **May Lim** . Our idea is still biodegradable packaging. After last week's meeting you mentioned that investing in such technology is very costly and recommended we consider an additional user / stakeholder who might be able to "invest" into our project and help small businesses out. So yesterday we agreed that we will keep our user persona as small business owners (who are the target of our survey) while also looking into funding so we can add another user persona. Please let me know if that sounds like we are on the right path :)

[See less](#)



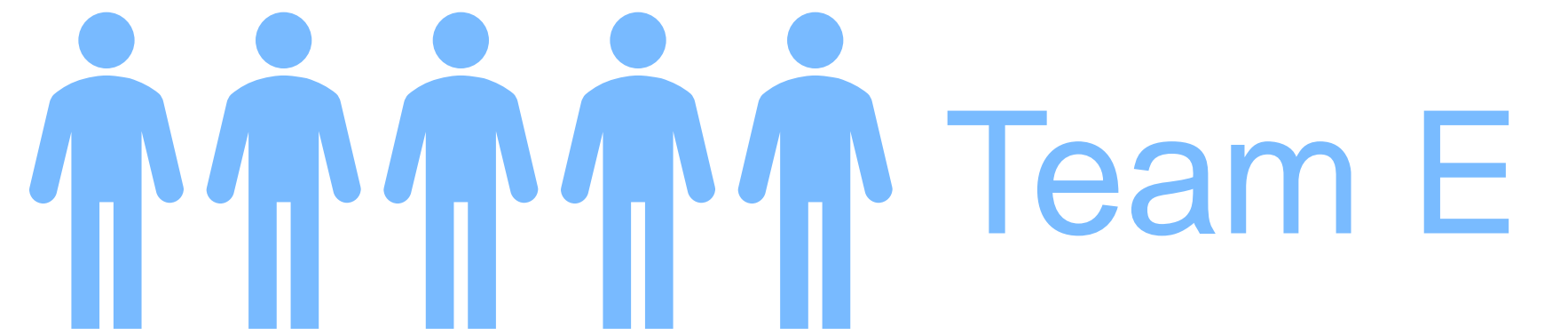
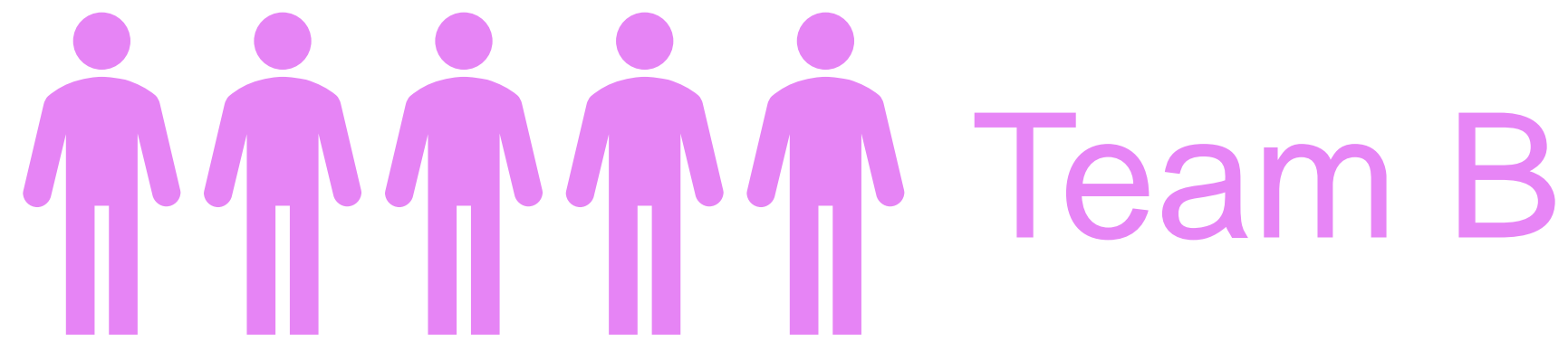
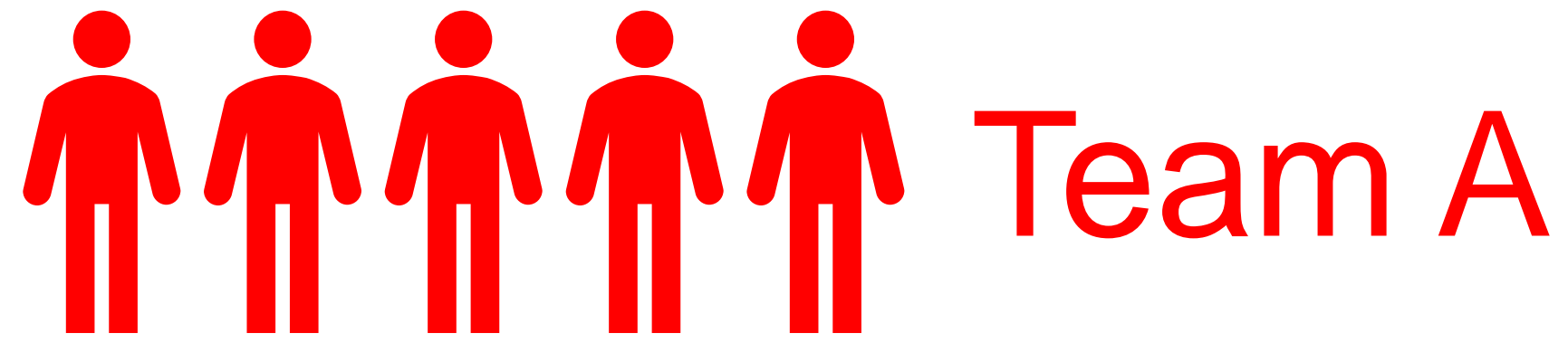
May Lim 06/10 2:10 pm

Sounds like a plan. You can have your small cafe collaborating with COPAR and access funding from the government. For example
<https://www.environment.nsw.gov.au/funding-and-support/sponsorship>
<https://www.dcceew.gov.au/environment/protection/waste/food-waste/food->

044

Formative Assessment

Formative Assessment

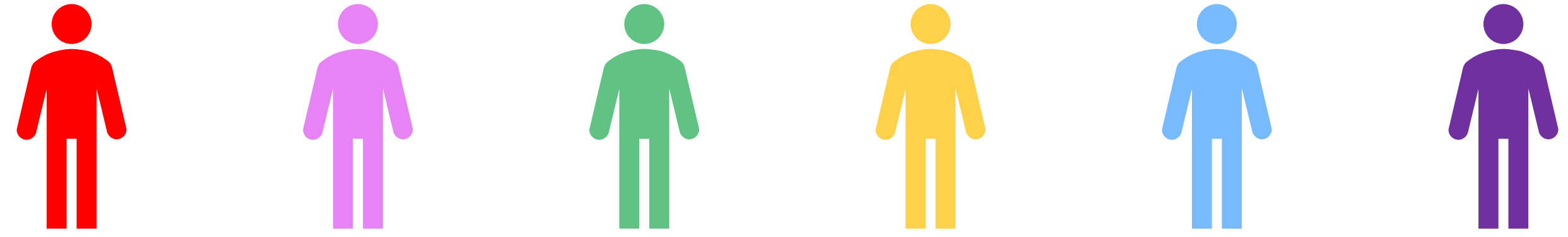


Team A Team B Team C Team D Team E Team F

Pod 1



Pod 2



Pod 3



Pod 4



Pod 5





Team A Team B Team C Team D Team E Team F

Pod 1



Pod 2



Pod 3



Pod 4



Pod 5





Design Presentation

Posts Files Notes +

Welcome to the class!

Try @mentioning the class name or student names to start a conversation.



May Lim 28/10 12:24 pm
Scheduled a meeting

POD 1 ...
Monday, 30 October 2023 @ 10:00 am

103 replies from you

Reply

Problem (5%) | Define your problem, including a consideration of your users.

0	2	4	6	8	10
Presentation missing, or little to no effort has been made.	Explanation of the problem was missing; or consideration of users when defining the problem was missing.	Explanation of the problem and its importance was confusing in parts; and consideration of users when defining the problem was superficial.	Explanation of the problem and its importance was reasonable; as was the consideration of users when defining the problem.	Explanation of the problem and its significance was clear and well-evidenced; and consideration of users when defining the problem was careful and added value.	Explanation of the problem and its significance was very compelling; and consideration of users when defining the problem was thorough, leading to unique and valuable insights.

AI Prompts

Did the student explain the problem?

Did the student consider the user when defining the problem?

Did the student have unique insight and valuable insight about the problem?

<v Jane Doe>Is that what they call Murphy's law?</v>

<v Jane Doe>Anything that can go wrong will go wrong.</v>

<v Jane Doe>No big.</v>

<v Jane Doe>Team ton. Ohh.</v>

<v Jane Doe>Didn't you only pickpocket?</v>

<v Jane Doe>By the way, everyone, I'm Jane Doe now I'm the longest name there.</v>

<v Jane Doe>Yes.</v>

<v Jane Doe>Alright, good afternoon everyone.</v>

<v Jane Doe>I'm Jane Doe and I'm a representative of Team G now picture this coffee, the world second most consumed beverage after only water.</v>

<v Jane Doe>The second most traded commodity in the stock market after crude oil in Australia alone, it reigns supreme as the most consumed beverage, even more than water in Australia with over 60% of the population savoring its rich aroma every single day and close to 18.5 billion cups being sold annually.</v>

<v Jane Doe>But here's the kicker.</v>

<v Jane Doe>Alongside this coffee consumption, there's a cosmic amount of waste in the form of spent coffee grounds.</v>

<v Jane Doe>Approximately 65,000 tons of spent coffee grounds is generated every year in Australia and regrettably the majority of these spent coffee grounds end up in landfills and the landfills acidifies the grounds and also causes further emissions of carbon monoxide, further harming our environment.</v>

[PROBLEM 1]

The presenter, Jane Doe, provides a compelling explanation of the problem by highlighting the environmental impact of coffee waste. He presents the issue of spent coffee grounds and the waste they generate, specifically in Australia, where 65,000 tons of spent coffee grounds are generated annually and most of it ends up in landfills. This not only contributes to environmental pollution but also leads to further emissions of carbon monoxide.

[PROBLEM 2]

The presenter takes into account the needs of small coffee shop owners when defining the problem. He emphasizes the cost currently being paid to compost spent coffee grounds and the need for a solution that is both affordable and environmentally sustainable. The presenter further suggests that understanding the needs and wants of the users (small coffee shop owners) is pivotal to the design process.

[PROBLEM 3]

The presenter's explanation of the problem and users led to the unique insight that small business owners, particularly small coffee shop owners, are more willing to take risks and innovate. This insight is valuable as it helped to guide the design process towards a solution that small coffee shop owners would be willing to implement.

[SOLUTION 1]

The presenter's design solution involves creating coffee flour from spent coffee grounds. He explains that this solution is not only environmentally sustainable but also provides an opportunity for small coffee shop owners to generate additional revenue by selling products made from the coffee flour.

[SOLUTION 2]

The presenter's design stands out for its novelty and unique value proposition. The coffee flour is a unique product that can be used to create a variety of baked goods, offering a wider product range for coffee shops and attracting new customers.

[TECHNICAL 1]

May Lim 1m
Design Presentation • Team A

Jane Doe

May Lim 14d

Problem 1

How did the presenter provide a very compelling explanation of the problem and its significance?

Rate 0

Add comment

May Lim 14d

Problem 2

How the presenter thoroughly consider the users when defining the problem?

Rate 1

Eliza Steven 12d
 The user was considered, however, I think again, just spend more time on that part of your presentation. You defined the user well, but I think it needed to be a little bit longer so that you can really engage the audience and I felt like I 'forgot' who the user was as you progressed since you moved too quickly.

Add comment

May Lim 14d

Problem 3

How did the presenter's explanation of the problem and users lead to unique and valuable insights?

Rate 1

Eliza Steven 12d
 It allowed us to see how they will consider the users when developing their solution. Their insights also were definitely considered in their design solution.

Add comment

May Lim 14d

Solution 1

How did the presenter provide a convincing explanation of the design solution, and are you convinced the design solution will solve the problem?

Rate 1

Abdelrahman Elatawna 12d
 Carley mentioned all the benefits of the SCG soap as well as the different factors that were considered in the making of the soap such as % of SCG and essential oils for the aroma. With the soap being sold by the cafes themselves I am convinced that this design appropriately tackles the problem. It would help if some prototyping was done to measure the practicality of the solution.

Add comment

May Lim 14d

Solution 2

How did the presenter design stands out with unique value or novelty?

Rate 1

Abdelrahman Elatawna 12d
 Carley properly explained the exfoliating features of the soap and how there is added valorisation by recycling the

John Doe

May Lim 14d

Problem 1

How did the presenter provide a very compelling explanation of the problem and its significance?

Rate 1

Ashwin Cuganesan 12d
 Explained the problem - could emphasise its significance more to be more compelling and explain why there is a need for their product in the first place

Add comment

May Lim 14d

Problem 2

How the presenter thoroughly consider the users when defining the problem?

Rate 1

Ashwin Cuganesan 12d
 Cheryl touched on the weakness and pain points when explaining their user. However, I feel the problem wasn't clearly stated enough when presenting and would be good to explain the relevance of the problem to the user

Add comment

May Lim 14d

Problem 3

How did the presenter's explanation of the problem and users lead to unique and valuable insights?

Rate 1

Ashwin Cuganesan 12d
 There were some insights, more clear explanation of the problem could have made the solution stand out more as being unique and valuable

Add comment

May Lim 14d

Solution 1

How did the presenter provide a convincing explanation of the design solution, and are you convinced the design solution will solve the problem?

Rate 1

Amirul Bin Rahmat 12d
 They presented some of the possible solutions that were feasible for them to use the spent coffee grounds. And with they have chosen the coffee soap. It was reasoned sufficiently and well. And good, to include the risk that might caused via this solution :) Good job!

Add comment

May Lim 14d

Solution 2

How did the presenter design stands out with unique value or novelty?

Rate 2

Amirul Bin Rahmat 12d
 The coffee soap itself is not as unique in the market.

Jacky Doe

May Lim 14d

Problem 1

How did the presenter provide a very compelling explanation of the problem and its significance?

Rate 0

Add comment

May Lim 14d

Problem 2

How the presenter thoroughly consider the users when defining the problem?

Rate 1

Jessica McAdam 12d
 created user persona chat which was well considered and thought out. had a clear idea who their target audience was and how to successfully market their product

Add comment

May Lim 14d

Problem 3

How did the presenter's explanation of the problem and users lead to unique and valuable insights?

Rate 0

Add comment

May Lim 14d

Solution 1

How did the presenter provide a convincing explanation of the design solution, and are you convinced the design solution will solve the problem?

Rate 2

David Watt 12d
 presenter made a convincing argument for the viability of the design solution, including a step-by-step breakdown of their soap composition and production process.

David Watt 12d
 presenter also made a convincing case for the need of a 100% natural spent grounds soap for customers, highlighting the side-effects of skin irritation, allergy, or abrasive skin damage from current synthetic or organic soap alternatives.

Add comment

May Lim 14d

Solution 2

How did the presenter design stands out with unique value or novelty?

Rate 3

David Watt 12d
 the teams plan to mix the spent grounds with other chemicals in their soap mixes to make unique soap textures and scents in a good way to diversity and add novelty to your design idea.

David Watt 12d

Jack Doe

May Lim 14d

Problem 1

How did the presenter provide a very compelling explanation of the problem and its significance?

Rate 1

Sin Yuan Chong 12d
 could be more clear on the problem's significance

Add comment

May Lim 14d

Problem 2

How the presenter thoroughly consider the users when defining the problem?

Rate 1

Sin Yuan Chong 12d
 clearly presented with proven user research as well as several analysis on the cafe and the end user (customer), relating to the user's problem

Add comment

May Lim 14d

Problem 3

How did the presenter's explanation of the problem and users lead to unique and valuable insights?

Rate 1

Sin Yuan Chong 12d
 clearly presented with survey done together with the results shown on the sustainable soap, however it could be better if the values are specified

Add comment

May Lim 14d

Solution 1

How did the presenter provide a convincing explanation of the design solution, and are you convinced the design solution will solve the problem?

Rate 1

Kai Van Der Kleij 12d
 - provided statistics and also justification behind their sustainability choice with a targeted audience of skincare/hygiene-oriented users who are more sustainably conscious
 - effective implementation of SCG into a soap product
 - Marketing is effective in diversifying themselves from other coffee soap
 - provided solutions to niche problems that arise from popular soap options
 - this was a convincing solution to the problem that caters effectively to their researched market.

Add comment

May Lim 14d

Solution 2

How did the presenter design stands out with unique value or novelty?

Rate 1

June Doe

May Lim 14d

Problem 1

How did the presenter provide a very compelling explanation of the problem and its significance?

Rate 3

Arienna Grebert 12d
 briefly explained that there is a lot of coffee produced, which goes to landfill- did not explain why this is a problem, or why it is difficult to solve

Arienna Grebert 12d
 a lot of problem statistics were vague- 'approx 50% open 6 days a week'- would be better to do a local study on cafes, or give total tonnes produced annually

Aarushi Nambissan 12d
 provided explanation regarding the problem of SCGs in general → could expand this to how this directly impacts their user and what problem they are solving for the user.

Add comment

May Lim 14d

Problem 2

How the presenter thoroughly consider the users when defining the problem?

Rate 3

Arienna Grebert 12d
 (there was information in text blocks on the screen, but was not up long enough to read, and was not explained thoroughly in terms of the coffee shop owners)

Arienna Grebert 12d
 user (person buying product) was established as a health conscious individual, good user research done

Arienna Grebert 12d
 try to make your user a little more specific- target age? Target demographic? Target location?

Add comment

May Lim 14d

Problem 3

How did the presenter's explanation of the problem and users lead to unique and valuable insights?

Rate 3

Arienna Grebert 12d
 not a lot of explanation of the problem

Arienna Grebert 12d
 addressed the user's desire for environmental friendliness and health to create a product which addresses these needs. Did not explain how this soap is actually more environmentally friendly or healthy than existing products

Arienna Grebert 12d
 You have said you are marketing your product for people with eczema- have you done research on whether coffee ground exfoliating soap would be too abrasive for these users?

Add comment

May Lim 14d

Solution 1

How did the presenter provide a convincing explanation of the design solution, and are you convinced the design solution will solve the problem?

Jim Doe

May Lim 14d

Problem 1

How did the presenter provide a very compelling explanation of the problem and its significance?

Rate 1

Tim Korenblum 12d
 Showed through user research that cafe owners are sending 96% of SCG to landfill, and are looking for a better solution. thoroughly covered cafe owner context and highlighted user roles, strengths, weaknesses, and goals.

Add comment

May Lim 14d

Problem 2

How the presenter thoroughly consider the users when defining the problem?

Rate 1

Tim Korenblum 12d
 thoroughly covered the user context and highlighted user roles, strengths, weaknesses, and goals. Focused on users focus on sustainability and product effectiveness.

Add comment

May Lim 14d

Problem 3

How did the presenter's explanation of the problem and users lead to unique and valuable insights?

Rate 1

Tim Korenblum 12d
 helped show that SCGs are underutilised and that users are keen on increasing utilisation of SCGs

Add comment

May Lim 14d

Solution 1

How did the presenter provide a convincing explanation of the design solution, and are you convinced the design solution will solve the problem?

Rate 2

Julina Lim 12d
 Design is very user centred. Considers sensitive skin, gap in the market for this.

Julina Lim 12d
 Did market research in form of survey to prove there is demand for it

Add comment

May Lim 14d

Solution 2

How did the presenter design stands out with unique value or novelty?

Rate 3

Julina Lim 12d

Summary

May Lim 9d

Summary

Grouping the feedback into similar categories, I summarize them as follows:

- User-Centered Approach:**
 - Mention of the presenter's attention to the user needs and characteristics.
 - Recommendation to expand on the problem's significance to make the solution more compelling
 - The need for a clearer explanation of the problem and its relevance to the user.
- Design Solution:**
 - Positive feedback on the design solution, particularly the use of spent coffee grounds (SCG soap).
 - Discussion of the benefits of the SCG soap, its environmentally friendly and health-conscious nature.
 - Mention of the innovative aspect, as it substitutes natural materials for synthetic ones.
 - Suggestions to explain the soap's environmental friendliness more clearly.
- Technical Feasibility and Prototyping:**
 - The belief that the design is technically feasible although some questioned the need for real prototyping.
 - Recommendations for A/B testing and further validation, especially concerning the scrub for eczema.
- User Context and Research:**
 - Comments on the thorough coverage of the user context, including user roles, strengths, weaknesses, and goals.
 - Discussion of the surveys and market research conducted to prove the demand for the product.
- Presentation Skills:**
 - Positive remarks on clear and well-paced presentation with engaging visuals and animations
 - Suggestions to reduce reading directly off the screen and improve expression and intonation.
- Miscellaneous:**
 - Questions regarding the selection of soap as a project design and the logistics of A/B testing for eczema scrub.
 - Some concerns about the clarity and significance of the problem, as well as the need for specific data and statistics and values.

Overall, the feedback indicates that the group's presentation was generally well-received, with a user-centered approach, a viable design solution, an effective presentation skills. There are suggestions for improvement, including providing more clarity on the problem, increasing the significance of the solution, and addressing questions related to prototyping and user research.

Rate

Add comment

Criteria	Feedback Prompt	Student Peer Feedback	AI Feedback
<p data-bbox="59 213 406 281">Problem 1</p>	<p data-bbox="506 213 1386 652">How did the presenter provide a very compelling explanation of the problem and its significance?</p>	<p data-bbox="1459 213 2279 375">Good coffee fun facts to form problem</p>	<p data-bbox="2412 213 3285 1838">The presenter, Jane Doe, provides a compelling explanation of the problem by highlighting the environmental impact of coffee waste. He presents the issue of spent coffee grounds and the waste they generate, specifically in Australia, where 65,000 tons of spent coffee grounds are generated annually and most of it ends up in landfills. This not only contributes to environmental pollution but also leads to further</p>

<p>Technical 2</p>	<p>Are you convinced the presenter's design is impressively innovative? Why or why not?</p>	<p>The coffee flour has undergone extensive sampling in the form of cookies, pancakes, brownies and cake. The presentation outlined the testing that validated the good products (brownie and cake) and the reason for discarding the less successful models. The sampling was conducted with multiple user groups (cafe customers and a cafe owner) further validating the potential for the design</p>	<p>The presenter's design is innovative in its approach to addressing the issue of coffee waste. The idea of creating coffee flour from spent coffee grounds and using it to bake goods is a novel and innovative solution that not only addresses an environmental problem but also provides an opportunity for small coffee shop owners to generate additional revenue.</p>
<p>Technical 3</p>	<p>Are you convinced the presenter's design has</p>	<p>Addition of price range estimate from cafe owner</p>	<p>The presenter's design was validated through</p>

<p>Communication 4</p>	<p>Does the presenter use figures to effectively communicate ideas? If yes, how?</p>	<p>Presented statistical data and facts</p>	
<p>Questions</p>		<p>Used thorough research and persona analysis</p>	<ol style="list-style-type: none">1. How is the coffee flour stored and what is its shelf life?2. Can the coffee flour be used in other food products apart from baked goods?3. How does the cost of producing coffee flour compare to the cost of composting spent coffee grounds?4. Were there any challenges encountered during the prototyping

05

Why Does it Matter?

❖ How much do you agree with the following statements?

Strongly agree Agree Disagree Strongly disagree Not Applicable

I can understand the AI generated feedback I received in my course.

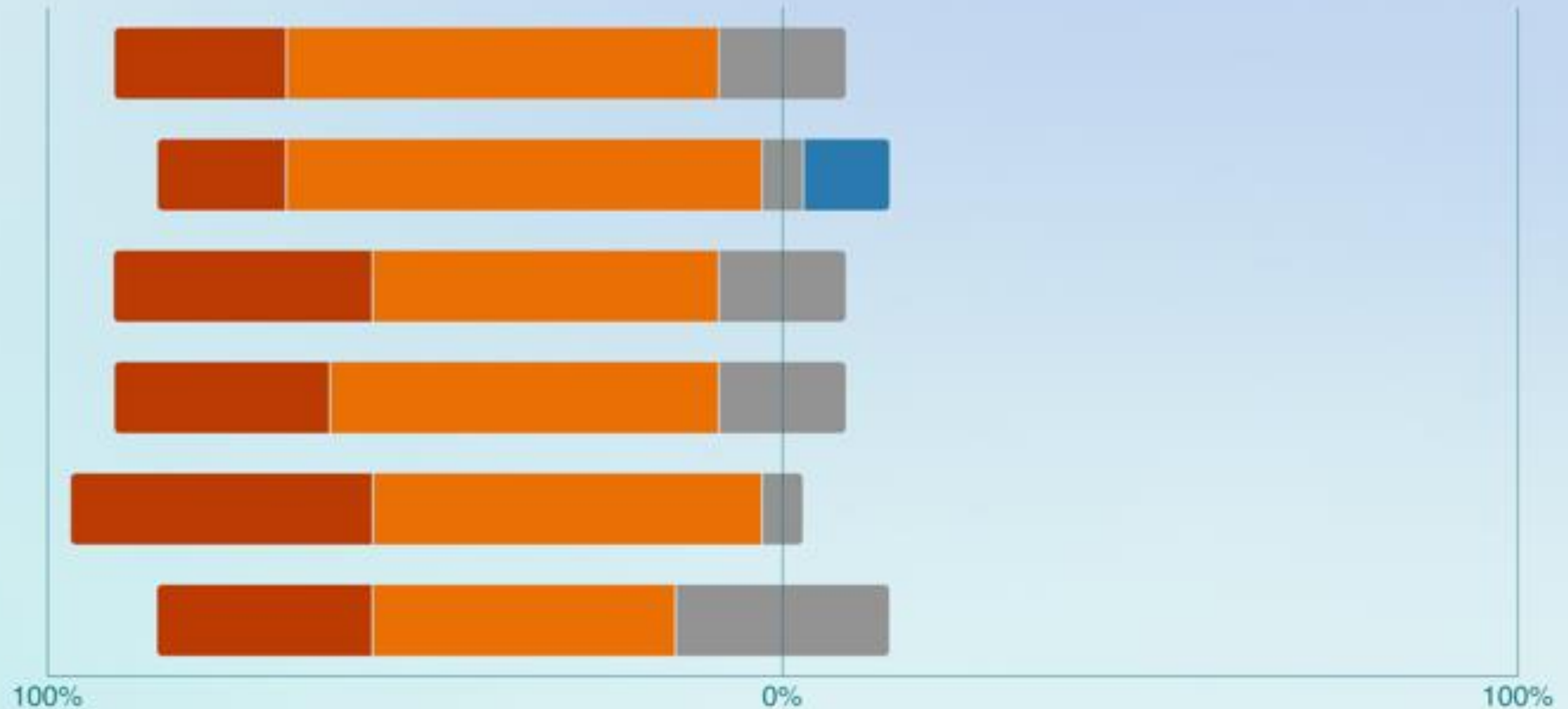
I value the AI generated feedback I received in my course.

I can use the AI generated feedback I received for personal and professional growth.

I can form an opinion or evaluate my performance based on the AI generated feedback I received.

I can regulate my emotions and reactions in response to the AI generated feedback I received.

I can use the AI generated feedback to make informed decisions or changes my behaviour or actions.



❖ How much do you agree with the following statements?

■ Strongly agree
 ■ Agree
 ■ Disagree
 ■ Strongly disagree
 ■ Not Applicable

The AI generated feedback on written communication (e.g. report) is better than that from my instructor.

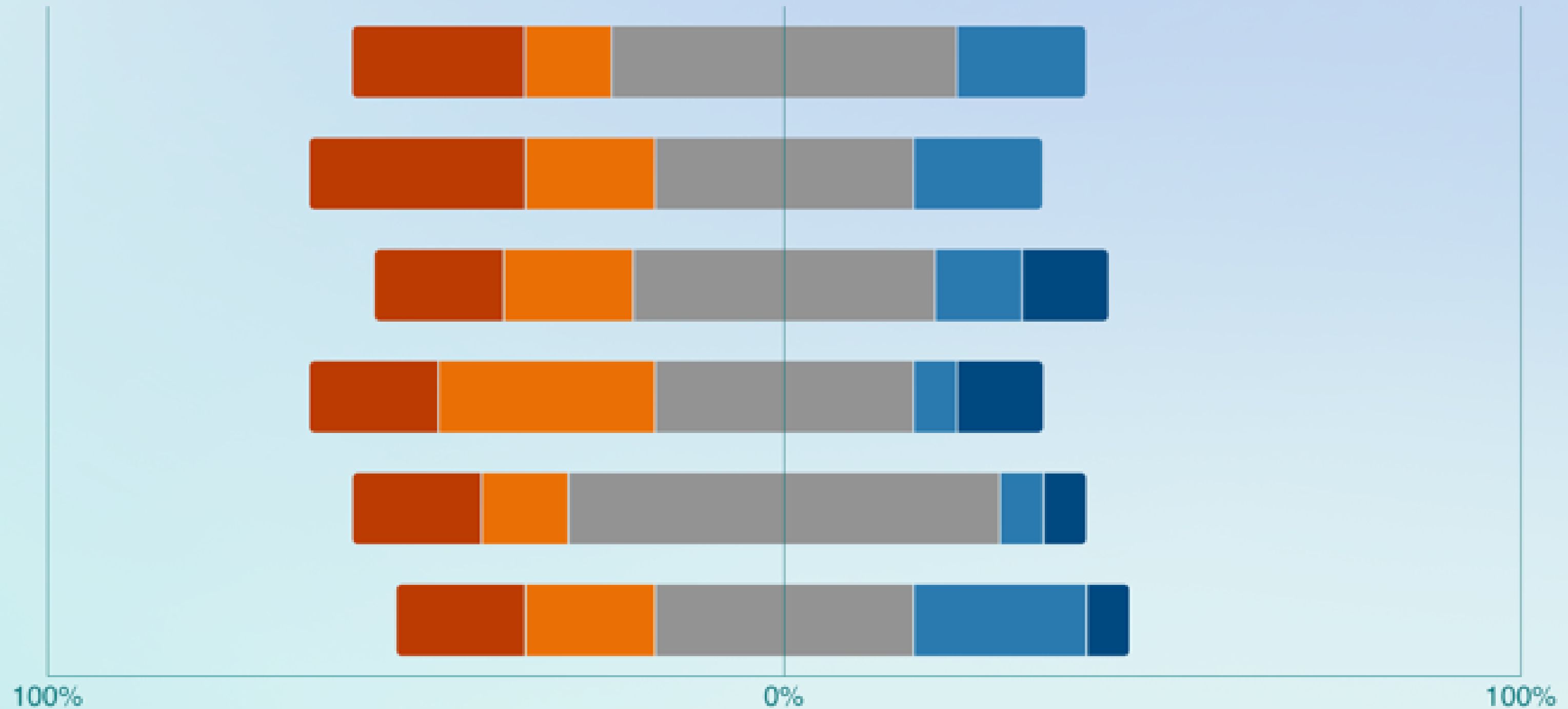
The AI generated feedback on written communication (e.g. report) is better than that from my peers.

The AI generated feedback on oral communication (e.g. class presentation) is better than that from my instructor.

The AI generated feedback on oral communication (e.g. class presentation) is better than that from peers.

The AI generated feedback on personal attributes (e.g. teamwork) is better than that from my instructor.

The AI generated feedback on personal attributes (e.g. teamwork) is better than that from my peers.



❖ **What works, what doesn't?**

Generative AI is a *helpful* teaching assistant.

- Summarise/extract information and trends from learning artefacts.
- Potential for responsive and personalised feedback in project-based learning.

Generative AI is not a teacher (yet).

- Cannot contextualise, cannot synthesise (yet).
- Unreliable + students do not fully 'trust' it.
- Toolchain is important.

What were the best things about this course?

- I really enjoyed working with my group and being able to get a good result with them, it was heaps of fun.
- The amount of work that Emma and May put in to make sure all the students felt a part of the learning community and would constantly respond to questions and concerns
- This course has easily been my favorite course so far in completing my degree. I have loved every bit of it and spend way too much time on it! The course lecturers are amazing, and so passionate about what is being taught- providing us informative, engaging workshops to improve our course skill set yet also allowing us to be self directed in our learning in writing our reports and material.
- Structured team work- makes it easy to set up and work in teams in the future^[SEP]
- Course is well structured.
- I liked the structure of assessments as it helped me stay on track rather than doing everything last minute at the end of the term. The drafts and other report

What could be improved?

- Course weighting 4% for a 1000 word report was way too little, it should have been at least double, especially when peer review was only 1% less, there was no way that the effort and research required for the report was even nearly equal to the effort required for the peer review.
- Monday lectures - 6 hrs total was way too long, 4 hrs straight was too hard, having even just a 20 min break in the middle of the 4 hours would help me feel more proactive and alive to keep contributing to the team
- Sometimes the course/decisions made felt a bit haphazard e.g changing scrum master without warning in Week 7, the presentation having a Halloween theme which was announced not that much earlier to the report due date
- Scrum master: I didn't enjoy having one person "in-charge" of the team for a major part of the course, not because of the responsibility or because they were a bad leader, but I feel that everyone in the team should have an opportunity to lead the team

into smaller sessions throughout the week. 6-hour-long Monday makes me very exhausted afterwards and i can't do anything."

- "I think that the course is very packed and considering we have three courses in the term, it was a lot of work.
- At first, it felt like the workshops were very separate from the actual assignments, however the activities and tasks connected at the end.
- The weightings for the design journal are also very high compared to the other assignments, which I didn't exactly find very logical. "
- all good
- "This course has many assessments which is hard to keep up with along with other courses.
- It can also be helpful to make a fix schedule only for meeting and doing the tasks in the timetable as sometimes due to time, its hard to find the right meeting time and not much progress update.
- I found it helpful during week8 workshop, where team meet to do the assignment as everybody is present. "
- "Some of the due dates for assignments were strange. 12:15 AM when another assessment was due at 12:00 AM.
- Wasn't clear to me how the presentation was to be

❖ Why does it matter?

Course Resources

- Plenty of resources provided, makes understanding the problem and the landscape easier
- Extensive and clear resources provided on Teams
- Weekly check-in posts summarizing weekly progress
- Articles shared for reflection on choices

Learning Activities

- Enjoyable workshops with great support from demonstrators
- Workshop structure allows self-directed learning and application of theoretical knowledge
- Unique activities within and across teams
- Encouragement of creative thinking and relevant topic discussion
- Weekly workshops and engaging guest lectures

Support Provided to Students

- Active monitoring and response on Teams channel by instructors
- Weekly check-in posts provide awareness of course progress
- Emphasis on **formative assessment** and feedback
- **Opportunities for feedback and improvement on assessments**

Assessment Tasks

- Well-structured assessments that help stay on track
- Opportunity for **peer review and improvement**
- **Second chance** for feedback and improvement on assessments
- **Feedback from instructors and peers** facilitates engagement and awareness
- **Peer assessments** encourage openness to different perspectives and team engagement

❖ Why does it matter?

Course Resources

- Suggestions for clearer instructions and communication regarding assessments
- Requests for templates and clearer guidelines for design journals
- Comments on the structure and organization of course materials and deadlines
- Balance between workshop activities and assessments

Learning Activities

- Length and structure of Monday lectures
- Suggestions for more engaging and varied learning activities
- Comments on the effectiveness of team evaluations and peer assessments
- Recommendations for more interactive and relevant workshop content

Support Provided to Students

- Allocation of team roles and responsibilities
- Suggestions for improving team dynamics and leadership opportunities
- **Requests for clearer communication and guidance from instructors**
- Comments on the availability and responsiveness of instructors and tutors

Assessment Tasks

- Feedback on the weighting and frequency of assessments
- **Suggestions for clearer marking criteria and expectations**
- Recommendations for reducing the number of assessments or revising their weightings
- Comments on the workload and timing of assessments, especially in conjunction with other courses



Kate Carruthers
Amanda Tjie
Alexander Wangsanata
Martina Pham

Thank You



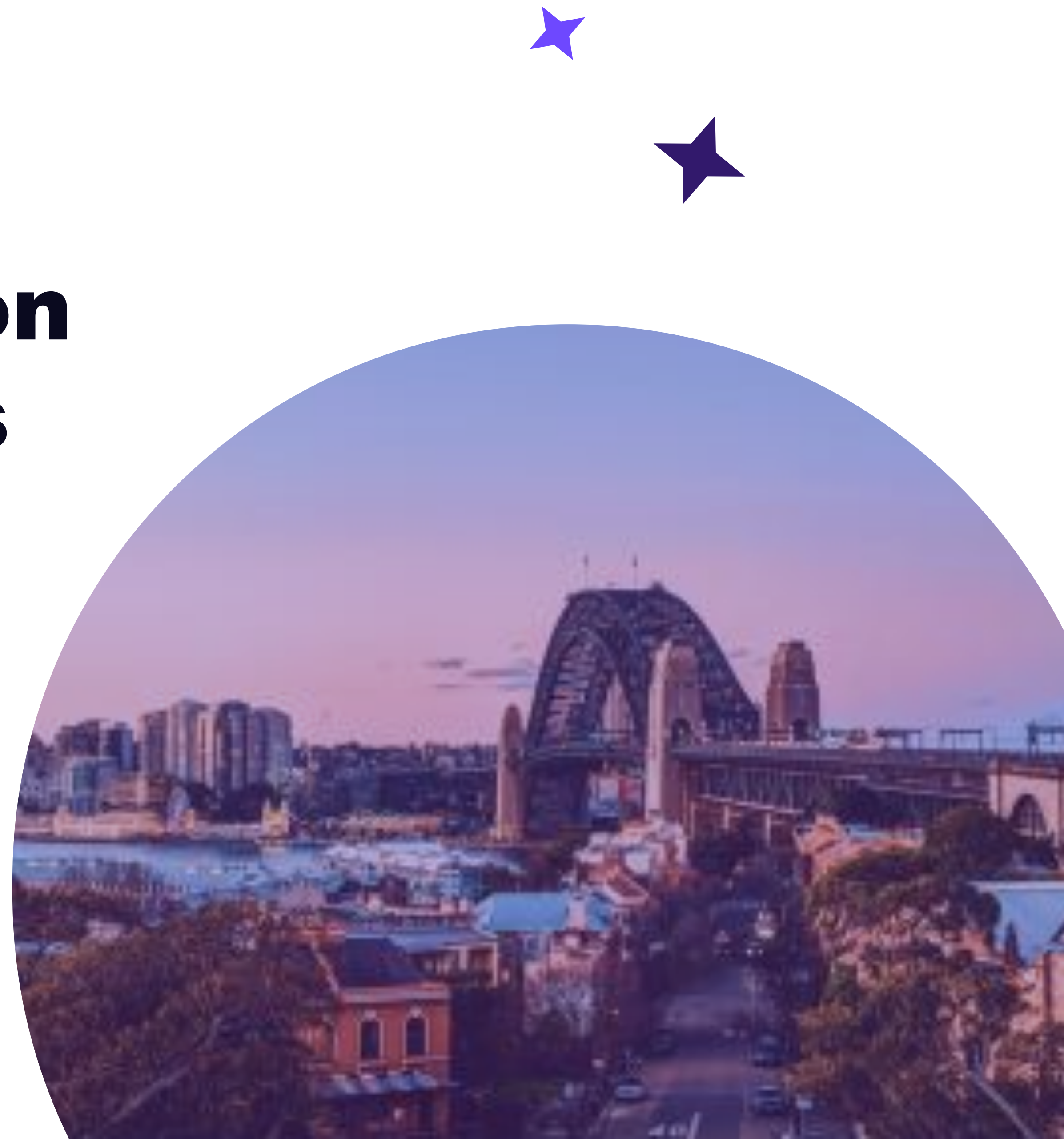


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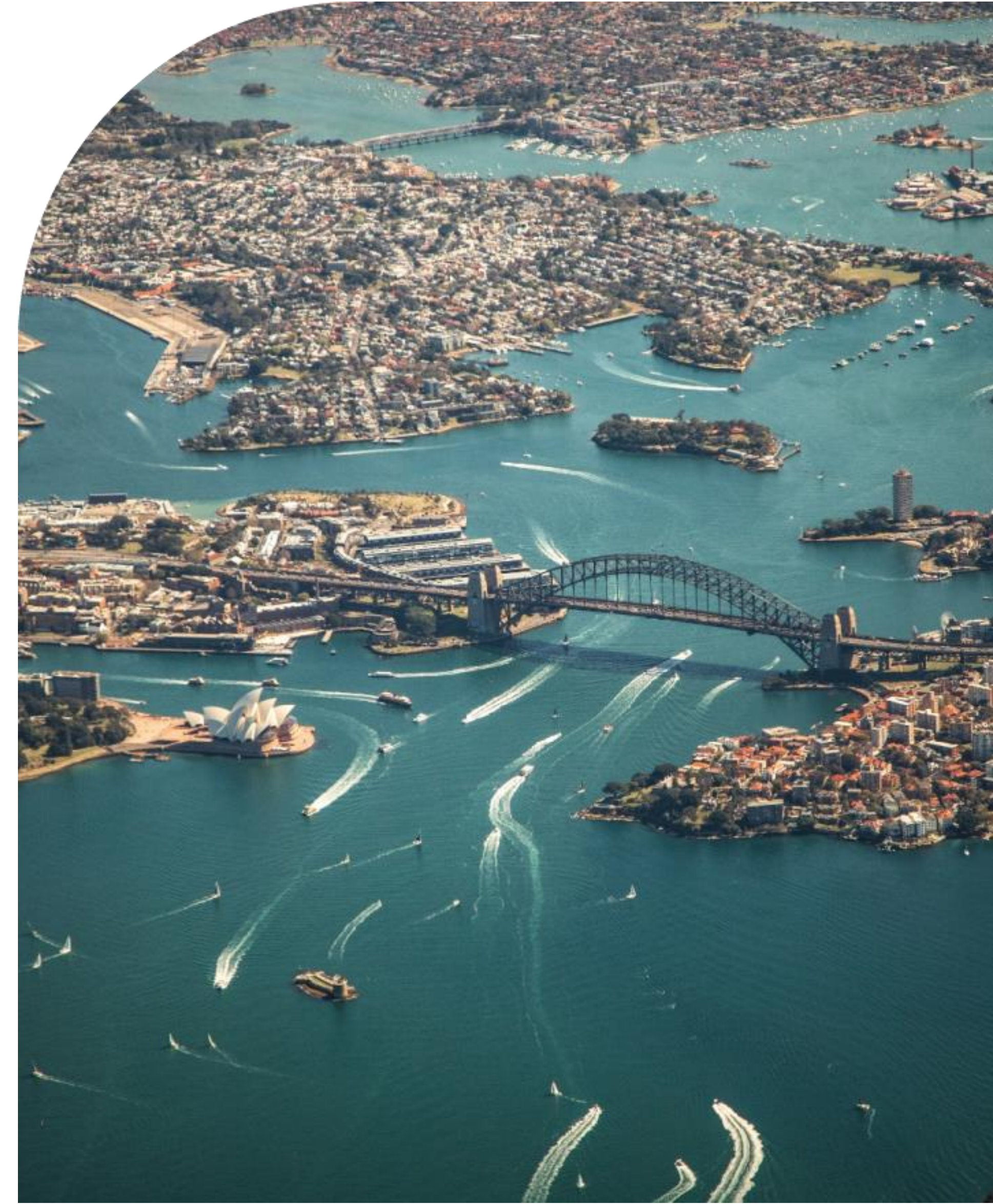


















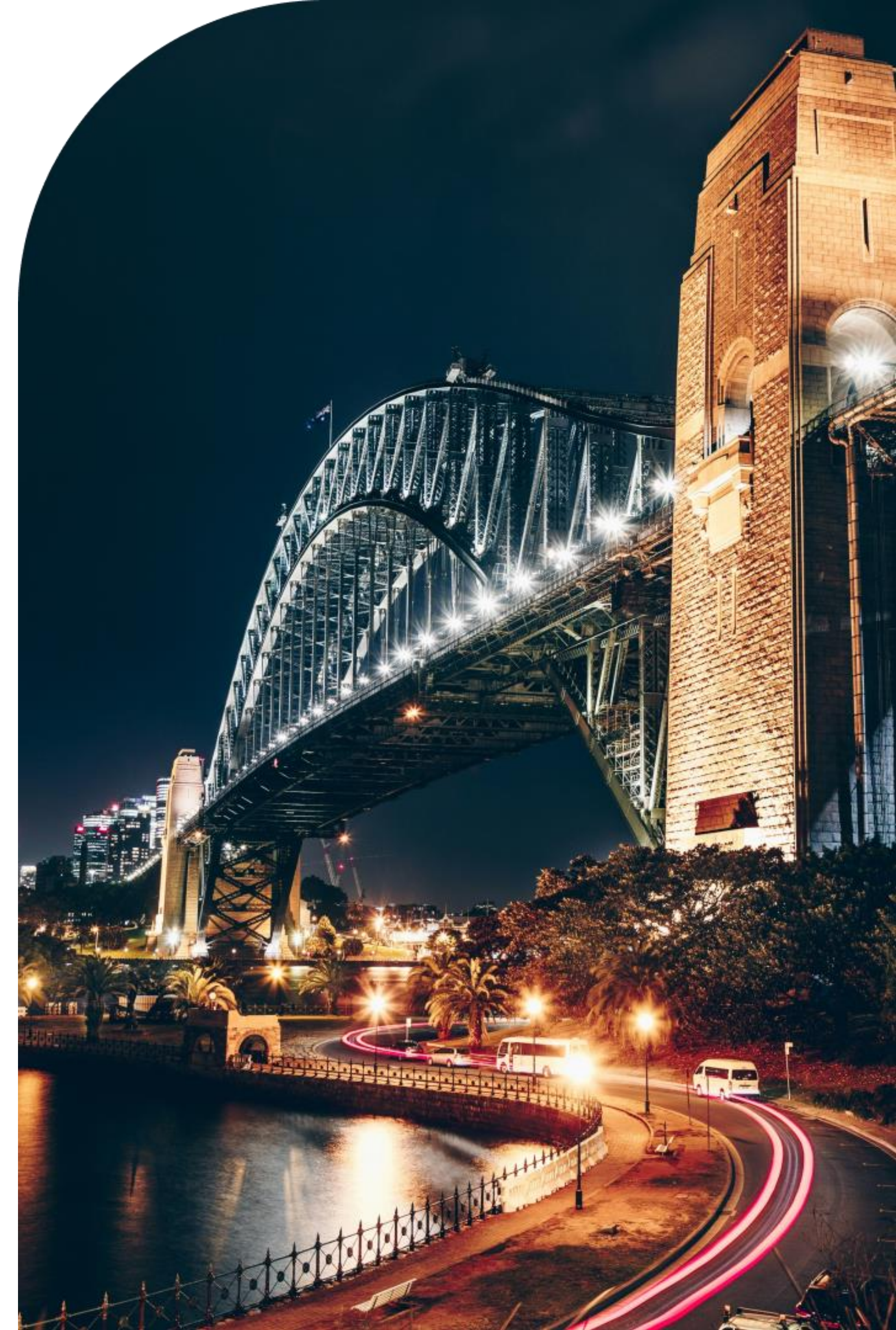




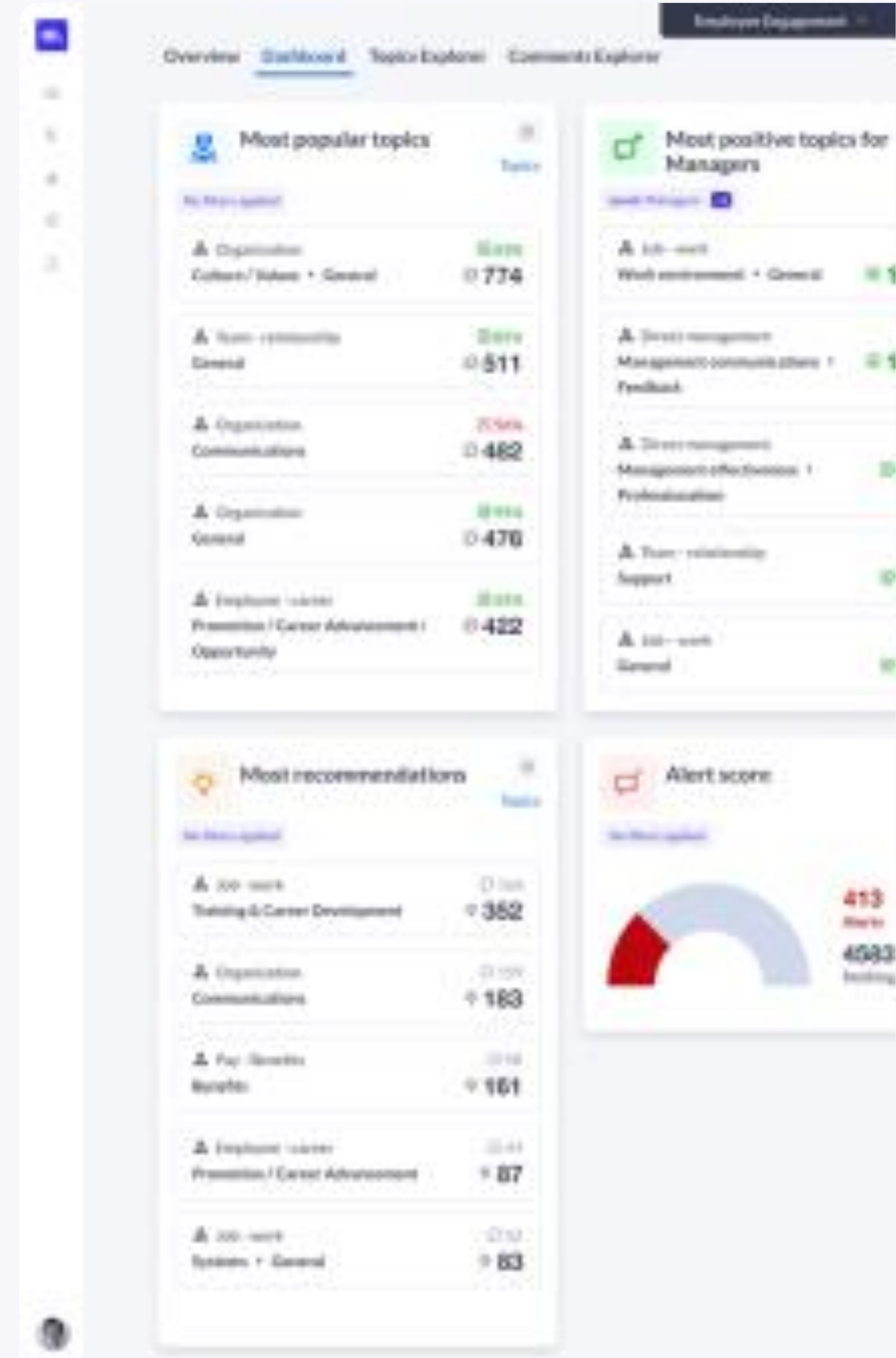
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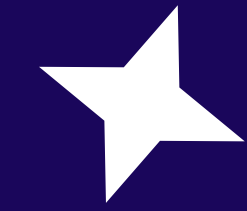












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