



Solution Proposal

A supplemental document exclusively for the
Go Green with Taiwan - Academe PH campaign.

Rasheed Albel
rasheed.albel@student.ateneo.edu

Malena Riz Ballon
malena.ballon@student.ateneo.edu

Val Allen Eltagonde
val.eltagonde@student.ateneo.edu

Zaidamin Haron
zaidamin.haron@student.ateneo.edu

Franz Andrei Layug
franz.layug@student.ateneo.edu



Table of Contents

4	About Us	16	Wayste's Connectivity
5	The Problem	18	Wayste's Development Roadmap
6	Our Thrust	20	Wayste's Key Success Indicators
7	The Solution	25	SWOT Analysis
8	Circular Economy	29	Contingency Plans
10	Wayste Machine	30	Budget Analysis
12	Waste App		



Quick Links

Access the link or scan the QR code.



Mobile App Prototype
tinyurl.com/BlueWaysAppPrototype



Budget Analysis
tinyurl.com/BlueWaysBudget



About Us

BlueWays is a group of students from Ateneo de Manila University who share a common passion for innovation and a deep commitment to creating a sustainable environmental future through collaboration and technological solutions.

WHO ARE WE

Our team brings together a wealth of experience from various fields, including data analysis, software development, sustainability, and entrepreneurship. With backgrounds in both technology and business, we are well-equipped to develop innovative solutions to empower communities towards sustainability.



ALBEL, Rasheed A.
BS APPLIED MATHEMATICS
MASTER IN DATA SCIENCE



BALLON, Malena Riz C.
BS MANAGEMENT ENGINEERING



ELAGONDE, Val Allen U.
BS APPLIED MATHEMATICS
MASTER IN DATA SCIENCE



HARON, Zaidamin M.
BS COMMUNICATIONS
TECHNOLOGY MANAGEMENT



LAYUG, Franz Andrei A.
BS APPLIED MATHEMATICS
MASTER IN DATA SCIENCE

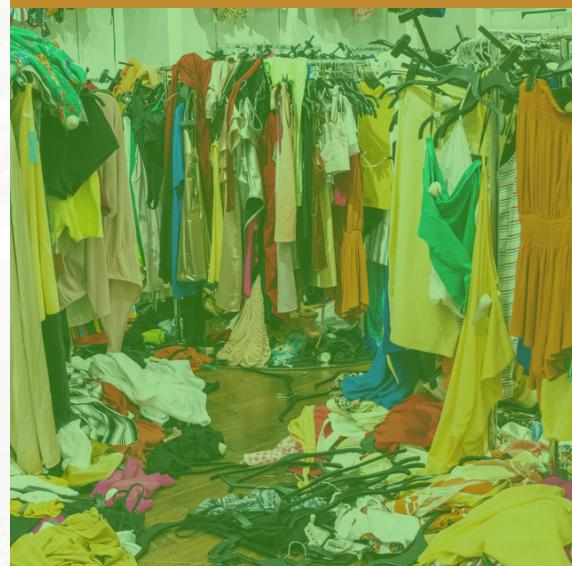
The Problem

Promoting environmental protection and encouraging public participation in circular economy service platforms (CESPs) are important in fostering a sustainable lifestyle. In Taiwan, innovators like Han-Yang Li and Chang-Lian Wu have responded to these insights by implementing a reward based-recycling system in ECOCO smart recyclers. Inspired by the EU's stringent recycling directives, these efforts underscore the growing importance of establishing an efficient recycling model at the front end, which Taiwan has not yet paid attention to according to them. Supporting this, a 2018 study by the Taiwan Textile Research Institute and Netherlands' Metabolic highlighted that only 6.7% of post-consumer textiles are reused. Hence, this underscores the importance of advancing recycling technologies in the global circular textile economy.

The fashion industry, the world's second-largest polluter after the oil industry, exemplifies the broader issue of industrial waste. This industry is just one of the many other industries that contributes significantly to environmental degradation, highlighting that the world's waste management problem is not isolated to one sector. The challenge now lies in harnessing Taiwan's technology to address a variety of waste streams across different regions globally, leading to a more responsible consumption and production (UNSDG 12) and a better life in land (UNSDG 15).



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



15 LIFE ON LAND





Our Thrust

We center on empowering **sustainable consumption** and driving the **circular economy** by combining innovative technology with community engagement.

Our solution, which integrates **smart vending machines** with a user-friendly mobile application, incentivizes recycling and upcycling, turning waste into valuable resources. By offering economic rewards and fostering local partnerships, Wayste not only promotes responsible consumption but also contributes to global sustainability goals, creating a greener future while empowering communities economically.

Turn waste into wealth with
Wayste!

The Solution

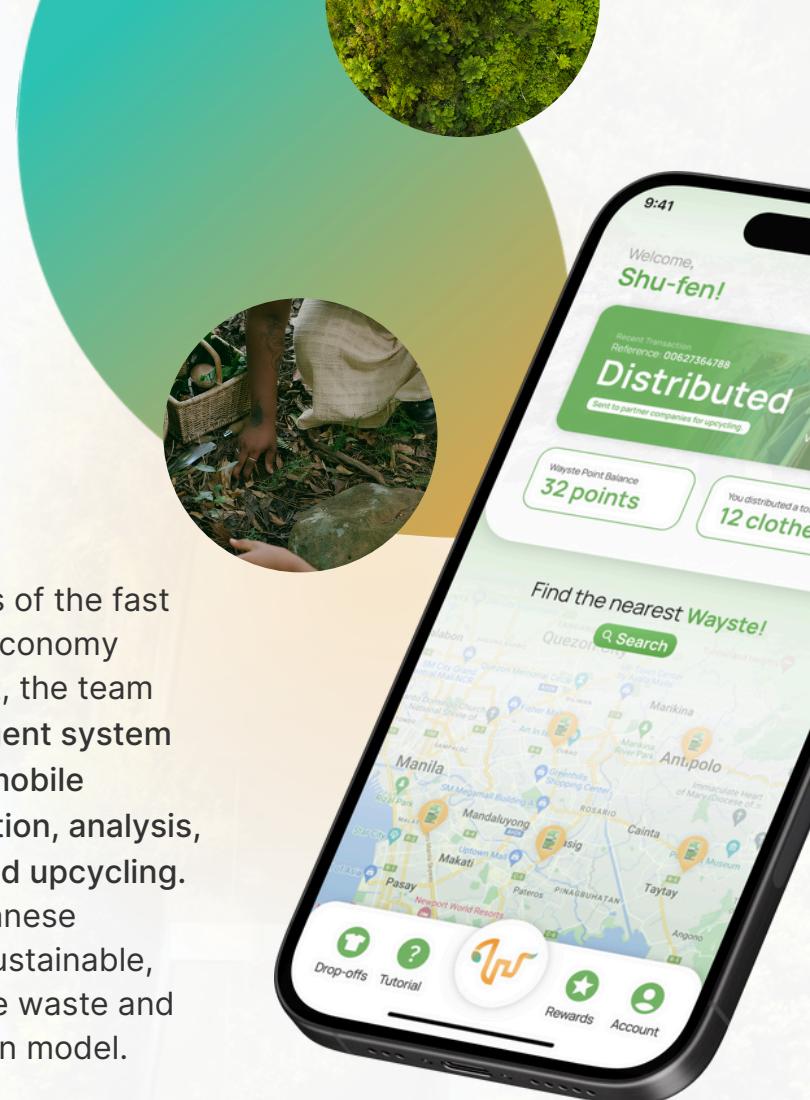
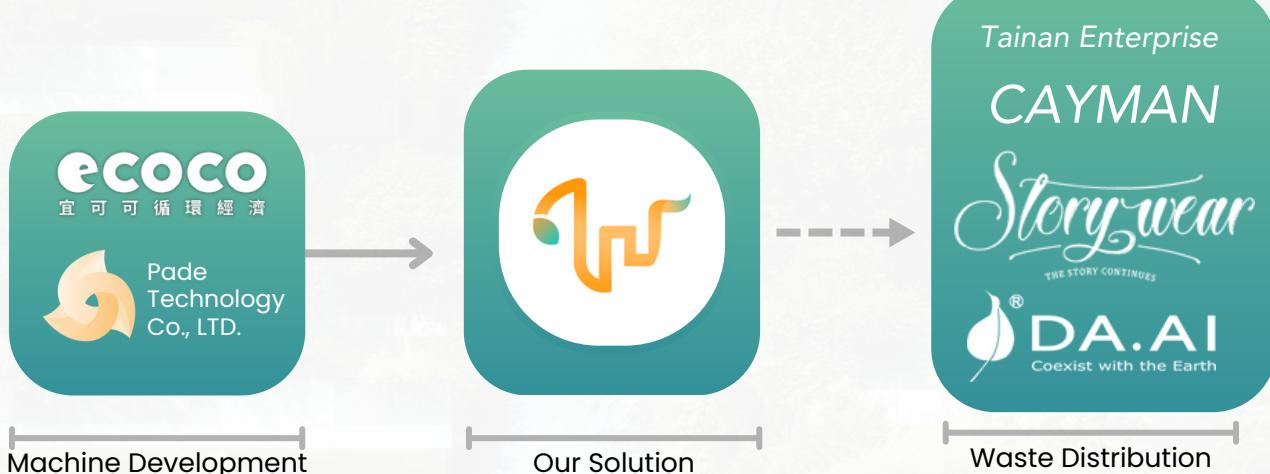
OVERVIEW

To address the environmental challenges of the fast fashion industry by embedding circular economy principles into textile waste management, the team proposes Wayste: a two-pronged intelligent system composed of a physical machine and a mobile application that innovates the collection, analysis, and incentivization of fabric recycling and upcycling. Made possible by synergizing with Taiwanese technology, Wayste aims to promote a sustainable, closed-loop system that minimizes textile waste and supports a more responsible consumption model.

END-TO-END CONSUMER JOURNEY

Central to Wayste's mission is the commitment to achieving both economic and environmental sustainability, benefiting individual consumers, Taiwanese enterprises, and the entire fashion industry. By adopting a circular economy model, Wayste proactively addresses the ecological challenges posed by fast fashion. Simultaneously, it champions and strengthens Taiwan's sustainable technologies and companies, driving progress toward a more responsible and resilient industry.

ARCHITECTURAL DESIGN PROCESS



Circular Economy: Environmental Sustainability

Viewing Wayste's contribution in environmental sustainability, the following processes allow both consumers and enterprises to upcycle and make the most of their old products while also minimizing their effects on the surroundings. In addition, these phases are embedded on the app's product traceability feature.



COLLECTION

The main entry point that Wayste navigates is on the collection stage. Here, users can drop off their old/discard garments and clothes to the machine. Essentially, Wayste will cater to any kind of fabric for as long as they are still in good condition (i.e., clean). By partnering with **Pade Technology** to integrate their textile material intelligent sorting system with our machine, Wayste can assist used clothing recycling companies to conduct accurate material classification to provide downstream chemical fiber factories with stable quality recycled waste textiles.

DISTRIBUTION

Once the old or discarded garments are pre-treated—collected, sorted, and assessed—they will be distributed to designers and fashion companies equipped to handle these materials. A key partnership will be sought with companies like Tainan Enterprises Co., Ltd. to create a collaborative platform within the fashion ecosystem, establishing a fabric bank that designers and manufacturers can utilize. This system will facilitate the distribution of materials to Taiwanese enterprises such as Story Wear and DA.AI Technology Co., Ltd., enabling the transformation of waste into new, sustainable products.

UPCYCLING AND PRODUCTION

The project will partner with companies specializing in sustainable fashion to upcycle discarded clothes, fabrics, and garments into high-quality, environmentally valuable products. This waste-reducing process will involve local tailors and NGOs, similar to the approach used by Story Wear. These partners will play a key role in the design and production, combining traditional skills with modern sustainable practices. This initiative aims to create a circular economy model that benefits both the environment and local communities, showcasing upcycling as a practical solution to textile waste.

REDISTRIBUTION

Once the upcycling and production processes are complete, the newly transformed, sustainable products will be ready for redistribution. This phase will focus on reintroducing these items into the market, ensuring that they reach consumers who value both quality and environmental responsibility. Partnerships with local and international retailers, as well as e-commerce platforms, will be essential to create multiple channels for distribution.

To further amplify the impact, Wayste will collaborate with conscious Taiwan brands and sustainability-focused marketplaces to promote these upcycled products. Additionally, Wayste will explore opportunities for direct-to-consumer sales through pop-up events, online stores, and collaborations with influencers and advocates in the sustainable fashion community. By strategically placing these products in the hands of consumers who prioritize eco-friendly choices, Wayste not only completes the circular journey but also reinforces the value of sustainable fashion in the broader market. This approach will help to cultivate a culture of mindful consumption, where upcycled products are not just alternatives but are seen as the new standard in the fashion industry.

In summary, Wayste transforms the fashion industry by prioritizing environmental sustainability through a circular economy model. From collection to upcycling and redistribution, each step is designed to reduce waste and minimize environmental impact.

By engaging consumers, local tailors, NGOs, and Taiwan's enterprises, Wayste confronts the challenges of fast fashion and fosters a culture of sustainability. This initiative empowers individuals, strengthens industry collaboration, and sets a new benchmark for responsible innovation, driving the fashion industry toward a more sustainable and eco-conscious future.

Wayste Machine: Solution Proper

Wayste machines serve as portable and self-sustaining terminals placed on strategic locations where consumers provide their fabric and textile waste.

CORE FEATURES

WASTE ACCEPTANCE

The machine empowers consumers to actively participate in waste reduction by offering a simple, guided process for waste donation. Upon initiating a transaction, users contribute fabric or textile waste, regardless of type. The machine is prepared to handle the waste efficiently and appropriately.

WASTE VERIFICATION

Through embedded sensors, the machine verifies the type and weight of the submitted waste. This step ensures that the material matches the user's selection, maintaining the system's integrity and accuracy. The machine's meticulous verification process guarantees that only suitable waste is processed, contributing to higher quality recycling outcomes.

INNOVATIVE FEATURES

AI-DRIVEN FABRIC ANALYSIS

At the core of the machine's innovation is the integration of AI-driven Fabric Analysis. This advanced system conducts a thorough examination of the material, determining its composition, quality, and potential for reuse. By leveraging artificial intelligence, the machine can make informed decisions on how to best repurpose the waste, aligning with sustainability goals and minimizing environmental impact.

AUTOMATED WASTE SORTING

Following analysis, the machine automatically sorts the waste based on its type and condition. Whether the fabric is fit for upcycling, recycling, or other sustainable processes, the machine categorizes it accordingly. This automated sorting system enhances efficiency, ensuring that each piece of waste is directed to the most appropriate processing stream.

WAYSTE MACHINE CONCEPT



SEAMLESS APP CONNECTION

Every transaction conducted through the machine is seamlessly communicated to the accompanying mobile application. Transaction data, including the type, weight, and analysis results of the waste, is transferred to the user's account, ensuring complete transparency and traceability. This integration supports a user-friendly experience while reinforcing the connection between physical and digital components.



Wayste App: Solution Proper

Wayste machines are complemented by the Wayste app that offers a plethora of features from managing donated waste to learning more.

CORE FEATURES

USER ACCOUNT MANAGEMENT

The app offers a comprehensive user account management system, enabling individuals to register, log in, and manage their profiles with ease. Through their accounts, users can track their contributions, view transaction histories, and stay engaged with the platform's sustainability initiatives.

TIERED INCENTIVE SYSTEM

The application introduces a dynamic points or currency system that rewards users for their contributions. This system is designed with tiers, offering escalating benefits based on the frequency of waste donations. Users can earn points that reflect their commitment to sustainability, which can be redeemed for rewards, further encouraging ongoing participation.

SUSTAINABLE REWARDS

To enhance the value of the points earned, the application connects users to an online marketplace or store, focused on sustainable brands and companies within Taiwan. Here, users can spend their points on eco-friendly products and services, ranging beyond just clothing, thereby promoting a holistic approach to sustainable living.

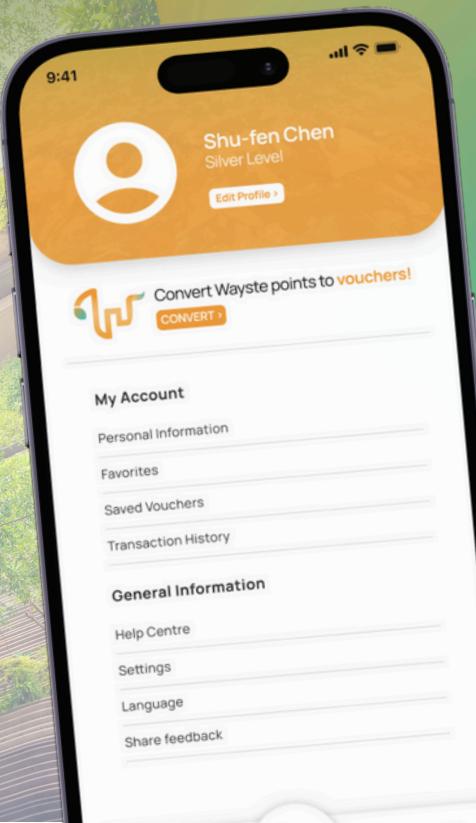
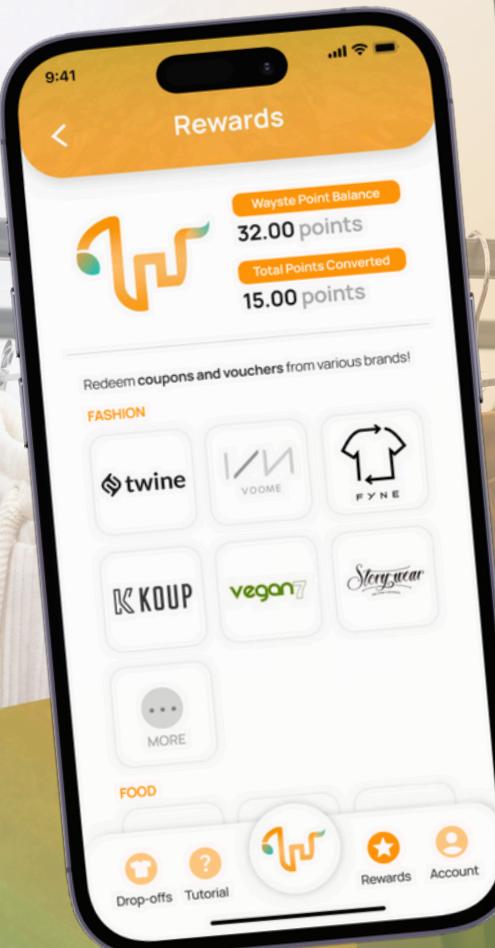
Navigate the
Wayste App
Prototype

All mock-ups are only
prototypes and are not
indicative of the final output.



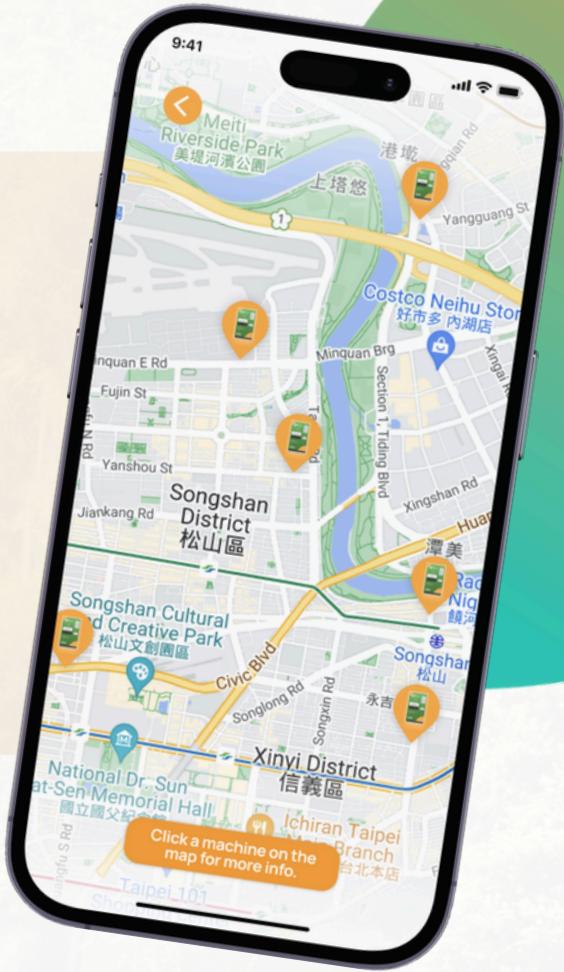
Developed
with Figma





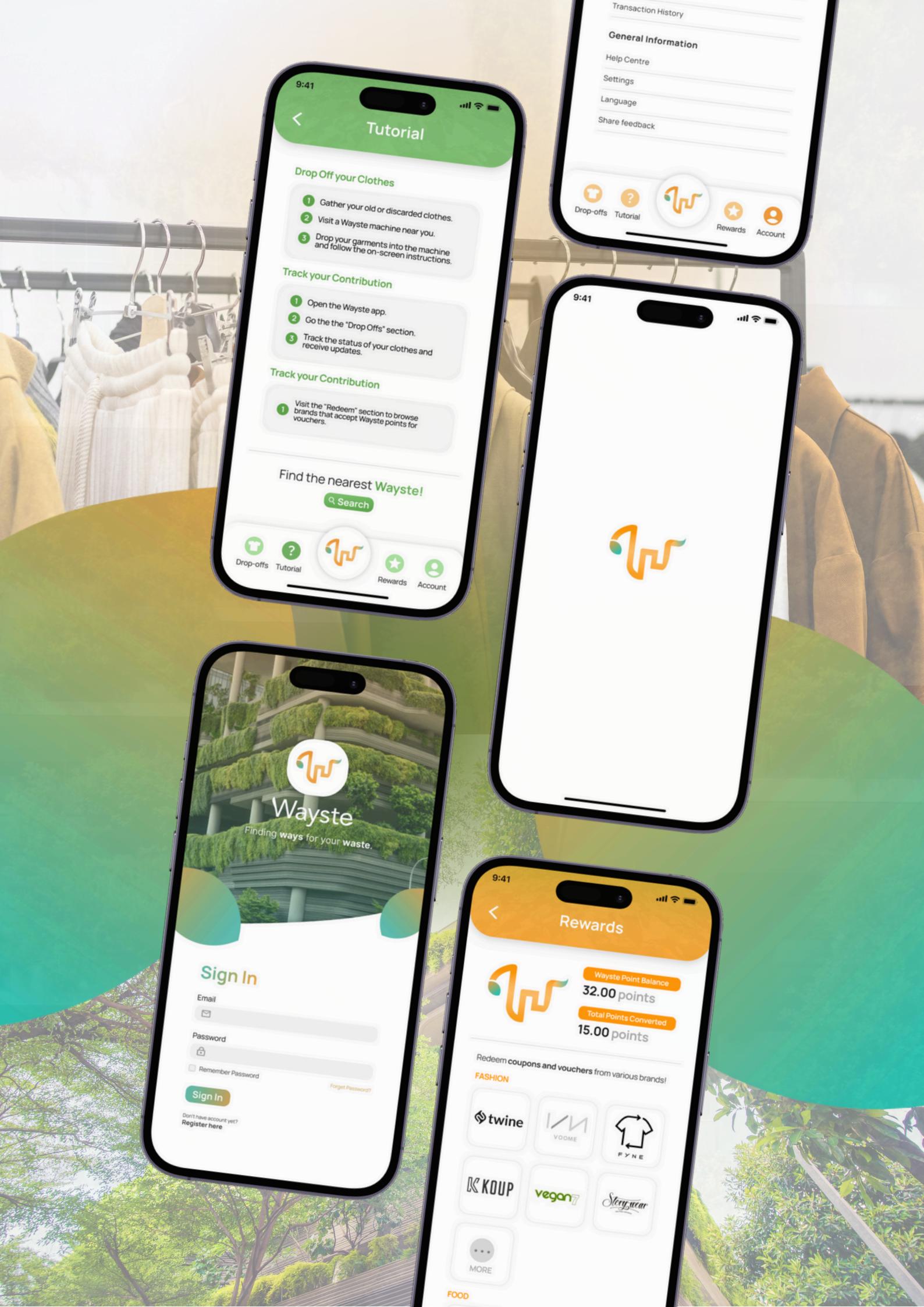
INTERACTIVE MAP

The application features an interactive map that allows users to locate nearby machines. This function is designed to facilitate convenient waste disposal, ensuring that users can easily access the system, no matter their location. The map also provides real-time updates on machine availability, making the process as efficient and user-friendly as possible.



PRODUCT TRACEABILITY

Transparency is a key feature of this solution, and the application's product traceability feature reflects this commitment. Users can follow the journey of their donated fabric from the moment it is deposited to its final destination, whether it's being upcycled, recycled, or otherwise repurposed. This feature not only builds trust but also reinforces the tangible impact of each user's actions.



Wayste's Connectivity



MAIN SOURCE
Circular Taiwan Network

To drive environmental sustainability through revolutionizing textile upcycling, Wayste will establish key strategic partnerships with leading Taiwanese brands and enterprises dedicated to circular economy practices. These collaborations will not only enhance Wayste's mission but also position these partners at the forefront of sustainable fashion.

ecoco
宜可可循環經濟

1

ECOCO

INCENTIVIZING USER ENGAGEMENT

Wayste will collaborate with ECOCO to integrate their pioneering points system and recycling technologies into its smart machines and mobile app. This partnership will incentivize users to recycle and upcycle discarded garments, turning waste into valuable resources while rewarding environmentally conscious actions. Together, Wayste with and through ECOCO will advance local and global sustainability goals by fostering widespread engagement in sustainable practices.

2

PADE TECHNOLOGY CO., LTD.

AUTOMATED SORTING SYSTEM

Wayste will utilize Pade Technology's advanced textile sorting systems, incorporating near-infrared spectroscopy and intelligent algorithms into its collection machines. This technology will ensure accurate classification of waste textiles, providing reliable recycled materials for chemical fiber factories. By reducing the need for virgin fibers, this partnership will significantly contribute to environmental sustainability.

TAINAN ENTERPRISE CO., LTD.

3

COSHARED FABRIC BANK

Wayste will partner with Tainan Enterprises to establish the Fabric Bank, a collaborative platform that connects designers with leftover fabrics from international manufacturers. This initiative will facilitate the transformation of waste into new, sustainable products, promoting dynamic interactions between material supply and design within Taiwan's fashion ecosystem.



STORY WEAR

4

FASHIONABLE UPCYCLING

Wayste will work with Story Wear to also upcycle pre-treated garments into unique, handcrafted fashion pieces. Utilizing recycled textiles from the Fabric Bank, Story Wear will craft timeless designs while incorporating innovative features like plantable seed paper tags. This partnership emphasizes transparency and traceability, contributing to a more sustainable and inclusive fashion industry.



DA.AI TECHNOLOGY CO., LTD.

5

QUALITY ECO-FRIENDLY REPRODUCTION

Wayste's partnership with DA.AI Technology will focus on extending the lifecycle of the remaining, discarded textiles by converting them into eco-friendly products. This collaboration will reduce waste generation and add significant economic and environmental value, ensuring effective utilization of materials within a circular fashion industry.

Wayste's Five-year Development Roadmap



Foundation



Full Launch



Expansion



Scaling



Influence

1

YEAR 1: FOUNDATION & PILOT LAUNCH

Objective: Establish Wayste's core technology and validate its market potential.

- **Q1: Market Research & Concept Validation.** Conduct market research in Taiwan (i.e. Taipei), engage key partners, and assess feasibility for Wayste's core features.
- **Q2: Product Development & Prototype Creation.** Develop and test the initial Wayste machine and app prototype.
- **Q3: Pilot Launch & Initial Feedback Collection.** Deploy Wayste machines in select locations, run a pilot phase, and collect user feedback.
- **Q4: Iteration & Refinement.** Refine the machine and app based on pilot feedback; prepare for broader launch and scale up production.

2

YEAR 2: FULL LAUNCH & MARKET EXPANSION

Objective: Launch Wayste nationwide and begin scaling operations.

- **Q1: Nationwide Rollout.** Introduce Wayste machines across Taiwan and launch marketing efforts.
- **Q2: Optimization.** Enhance operations, logistics, and customer support based on initial rollout data.
- **Q3: International Exploration.** Explore opportunities for expanding into international markets and form strategic partnerships.
- **Q4: Product Enhancement.** Introduce additional features and strengthen partner relationships.

3

YEAR 3: INTERNATIONAL EXPANSION & TECHNOLOGY ADVANCEMENT

Objective: Expand Wayste's reach globally and advance technology.

- **Q1: International Launch.** Begin operations in selected international markets, adapting to local needs.
- **Q2: Tech Advancements.** Enhance technology with advanced AI and blockchain integration for better functionality and transparency.
- **Q3: Diversification.** Expand waste types processed and establish collaborations for upcycled products.
- **Q4: Global Branding.** Strengthen Wayste's global presence with a major marketing campaign and international partnerships.

4

YEAR 4: SCALING AND DIVERSIFICATION

Objective: Scale operations and diversify revenue streams.

- **Q1: Scaling Operations.** Increase production and optimize supply chain; track sustainability metrics.
- **Q2: Revenue Streams.** Introduce subscription models and explore licensing and franchising opportunities.
- **Q3: User Engagement.** Enhance app features and user incentives to boost engagement and retention.
- **Q4: Strategic Partnerships.** Form partnerships with tech companies and explore new innovative projects.

5

YEAR 2: MARKET LEADERSHIP AND GLOBAL INFLUENCE

Objective: Solidify Wayste's position as a leader in sustainable technology and expand global influence.

- **Q1: Market Consolidation.** Strengthen industry position through data insights and showcase user success.
- **Q2: Global Expansion.** Expand further into new international markets with tailored strategies.
- **Q3: Technology Integration.** Integrate cutting-edge technologies to enhance machine efficiency and app performance.
- **Q4: Impact Reporting.** Publish comprehensive impact reports to demonstrate achievements and attract new partners and investors.

Wayste's Five-year Key Success Indicators

The following KSI are strategically aligned with the 5-year roadmap, ensuring that key objectives are met at every stage of Wayste's growth and expansion.

1

KSI 1: REDUCTION IN TEXTILE WASTE

Measure	Total volume of textile waste collected by Wayste machines.
Target	Collect 40-50 tons of textile waste, leading to a 20% reduction in textile waste sent to landfills within the first year.
Data Source	Machine transaction records, environmental agencies' baseline data.
Reporting Frequency	Quarterly
Responsibility	Sustainability Team and Data Analytics Team

KSI 2: USER ENGAGEMENT AND PARTICIPATION

Measure	Number of registered and active users, average transactions per user per month.
Target	Register 1,000 - 2,000 active users with an average of 3 transactions per user per month by Q4.
Data Source	App analytics, user transaction data.

Wayste's Five-year Key Success Indicators

KSI 2: USER ENGAGEMENT AND PARTICIPATION

Reporting Frequency	Monthly
Responsibility	Marketing and User Experience Teams

2

KSI 3: FINANCIAL VIABILITY

Measure	Revenue generation, cost management, ROI.
Target	Achieve financial sustainability with a positive ROI within 18 months, aiming for break-even by Q2.
Data Source	Financial statements, budget reports, cost analysis.
Reporting Frequency	Monthly
Responsibility	Finance Team and Project Management Team

Wayste's Five-year Key Success Indicators

KSI 4: USER SATISFACTION

Measure	User satisfaction ratings, feedback, Net Promoter Score (NPS).
Target	Achieve an average user satisfaction rating of 3.5 out of 5 with 60% positive feedback by Q4.
Data Source	App reviews, user surveys, NPS reports
Reporting Frequency	Monthly/Bi-monthly
Responsibility	Customer Support and User Experience Teams

3

KSI 5: INNOVATION, TECHNOLOGY ADOPTION

Measure	Adoption rates of AI technology, user adoption of new app features
Target	Achieve full integration of AI and blockchain technologies across all Wayste machines and a high user adoption rate of new app features by Q2.
Data Source	Technology usage reports, app analytics

Wayste's Five-year Key Success Indicators

KSI 5: INNOVATION, TECHNOLOGY ADOPTION

Reporting Frequency	Quarterly
Responsibility	Technology and Development Teams

4

KSI 6: STRATEGIC PARTNERSHIPS

Measure	Number of new partnerships formed, innovation outcomes.
Target	Establish 2-3 new partnerships, resulting in a 10%-15% increase in technological capabilities by Q4.
Data Source	Partnership agreements, collaboration reports.
Reporting Frequency	Quarterly
Responsibility	Partnership and Innovation Teams

Wayste's Five-year Key Success Indicators

5

KSI 7: GLOBAL MARKET EXPANSION

Measure	Number of new international markets entered, influence in sustainable practices.
Target	Expand into 3-5 additional international markets and become an industry leader in sustainable textile recycling by Q2.
Data Source	Expansion reports, industry influence metrics.
Reporting Frequency	Quarterly
Responsibility	Global Expansion and Sustainability Teams.

Operational Risks Assessment and Mitigation Strategies

SWOT Analysis: Internal

Strengths	Weaknesses
<p>INNOVATIVE APPROACH</p> <ul style="list-style-type: none">AI-Driven Fabric Analysis: This technology allows for precise identification of materials, ensuring that the right recycling or upcycling process is applied. By automating this analysis, Wayste minimizes human error, increases efficiency, and maximizes the potential reuse of each item, making the system both reliable and scalable.Automated Sorting System: After analyzing the fabric, the machine automatically sorts materials by type, condition, and potential use. This eliminates the need for time-consuming manual sorting, ensuring quick, accurate processing and higher-quality recycled products.	<p>USER ADOPTION</p> <ul style="list-style-type: none">Behavioral Change Requirement: Convincing people to use a specialized recycling machine and app requires overcoming the convenience of traditional disposal methods. This shift is challenging, as it involves changing habits and educating users on the benefits of the Wayste system.Engagement and Retention: Maintaining user engagement can be challenging if the incentive structure isn't compelling or if users don't see immediate benefits, leading to potential disinterest.
<p>ENVIRONMENTAL IMPACT & SUSTAINABILITY FOCUS</p> <ul style="list-style-type: none">Addressing Fast Fashion Waste: By providing a practical solution for consumers to recycle their old clothes, Wayste directly addresses this issue. By focusing on textiles, the project taps into a significant waste stream, helping to reduce the environmental footprint of the fashion industry and promote more sustainable consumer habits.Circular Economy Promotion: Wayste is built on the principles of the circular economy, which emphasizes reducing waste and reusing materials. By converting textile waste into valuable resources, the project not only reduces landfill waste but also creates new economic opportunities in the form of upcycled products.	<p>LIMITED TO SPECIFIC WASTE TYPE</p> <ul style="list-style-type: none">Market Saturation: Since plastic bottle recycling is well-established, textile waste recycling might be seen as less critical or effective, potentially affecting the perceived value of Wayste and its ability to gain broad consumer support.

Strengths	Weaknesses
<p>INCENTIVIZATION MODEL</p> <ul style="list-style-type: none"> Tiered Reward System: The introduction of a tiered reward system is a strategic move to drive user engagement. As users contribute more textile waste, they climb through the tiers, earning greater rewards. This gamification element encourages repeat participation and fosters a sense of achievement among users, making sustainability a rewarding experience. 	<p>TECHNICAL ISSUES</p> <ul style="list-style-type: none"> Machine Maintenance and Downtime: Wayste machines' advanced technology needs regular maintenance and updates. Technical issues could cause downtime, frustrate users, and harm the project's reputation, potentially reducing future participation. Integration Challenges with the Mobile App: Seamless communication between the machines and the mobile app is essential for accurate transaction data and transparency. Technical issues like connectivity problems or data errors could disrupt the user experience and lead to confusion or dissatisfaction.
<p>STRATEGIC PARTNERSHIPS</p> <ul style="list-style-type: none"> Showcasing Taiwan's Sustainability Leadership: By incorporating Taiwanese technology, Wayste highlights Taiwan's commitment to sustainability and innovation. This collaboration not only benefits the project but also positions Taiwan as a global leader in sustainable technology. The success of Wayste could inspire similar initiatives worldwide, further promoting Taiwan's technological and environmental contributions. 	

Operational Risks Assessment and Mitigation Strategies

SWOT Analysis: External

Opportunities	Threats
<p>EXPANSION POTENTIAL</p> <ul style="list-style-type: none">Scalability and Global Application: Wayste's scalable model can be replicated in countries facing similar textile waste challenges, especially in regions with growing fast fashion industries and limited recycling infrastructure. By adapting to local needs, Wayste can lead global sustainability efforts in textile management.Cross-Border Collaborations: This initiative (through Wayste) can leverage Taiwan's recycling expertise to form cross-border collaborations, enabling Wayste machines to enter international markets. These partnerships promote knowledge transfer, technology exchange, and a global network of sustainable waste solutions.	<p>MARKET COMPETITION</p> <ul style="list-style-type: none">Emerging Alternatives: The evolving waste management market may see new textile recycling solutions emerge — increased competition could pressure Wayste to continuously innovate to stay competitive.
<p>GOVERNMENT/NGOs SUPPORT</p> <ul style="list-style-type: none">Alignment with Environmental Policies: Wayste aligns with global and national efforts to reduce environmental impact, particularly in waste management and sustainable production. This positioning could attract support from government programs, grants, and incentives for green technologies and circular economy practices.	<p>MARKET COMPETITION</p> <ul style="list-style-type: none">Shifts in Environmental Regulations: Environmental policies and regulations can affect recycling operations and profitability. Changes in waste management rules, recycling standards, or incentives may impact Wayste, potentially requiring additional compliance or altering the project's financial viability.

Opportunities	Threats
<p>PARTNERSHIPS WITH CORPORATIONS FOR CSR INITIATIVES</p> <p> Enhancing Corporate Social Responsibility: Corporations are enhancing and boosting their CSR profiles (e.g., adopting sustainable practices). Partnering with Wayste allows them to integrate textile recycling into their strategies, showcasing a commitment to reducing waste.</p>	<p>TECHNOLOGICAL FAILURES</p> <p> Dependence on Advanced technology: Wayste's reliance on AI and automated systems poses risks of technical malfunctions, such as software bugs or sensor inaccuracies, leading to incorrect sorting, and reduced user trust.</p>
	<p>T4. ECONOMIC INSTABILITY</p> <p> Impact on End-user Behavior: Economic downturns can impact user spending and participation in sustainability initiatives like Wayste. During hardship, individuals may prioritize essentials, reducing engagement and textile waste contributions.</p>

Operational Risks Assessment and Mitigation Strategies

Contingency Plans

The following contingency plans outline strategic responses to various risks, ensuring that Wayste can adapt and maintain its goals in the face of unforeseen circumstances. These plans aim to safeguard the project's objectives, from operational disruptions to shifts in market dynamics, thereby securing its long-term viability.

Cases	Plans
Technical Malfunctions	Mitigation Strategy → Develop a robust maintenance and support system, including regular checks and remote diagnostics. Establish a rapid response team to address issues promptly.
	Contingency → In case of significant breakdowns, have backup machines in key locations or provide temporary manual collection options.
Low User Adoption	Mitigation Strategy → Implement targeted marketing campaigns to raise awareness, emphasizing the environmental impact of textile waste and the benefits of participation.
	Contingency → Offer initial incentives, such as higher rewards for early adopters, and collaborate with local influencers to drive engagement.
Logistical Challenges	Mitigation Strategy → Conduct a thorough analysis of potential machine locations and optimize routes for maintenance. Partner with LGUs or organizations to facilitate logistics.
	Contingency → If certain locations prove unfeasible, relocate machines to areas with higher foot traffic or interest in sustainability.

Operational Risks Assessment and Mitigation Strategies

Contingency Plans

The following contingency plans outline strategic responses to various risks, ensuring that Wayste can adapt and maintain its goals in the face of unforeseen circumstances. These plans aim to safeguard the project's objectives, from operational disruptions to shifts in market dynamics, thereby securing its long-term viability.

Cases	Plans
Partnership Instability	Mitigation Strategy → Diversify partnerships to avoid over-reliance on a single entity/selected companies. Establish clear agreements outlining each partner's roles and responsibilities.
	Contingency → In case of a partnership dissolution, have a list of potential new partners and a strategy for quick integration.
Economic Downturn	Mitigation Strategy → Build a financial buffer by securing initial funding and maintaining a conservative financial strategy. Diversify income streams, such as offering premium features in the app.
	Contingency → If economic conditions worsen, adjust the incentive structure to remain viable while encouraging continued participation.

Budget Analysis



Access the full
Budget Analysis
file [here](#).





Solution Proposal

A supplemental document exclusively for the
Go Green with Taiwan - Academe PH campaign.

Rasheed Albel
rasheed.albel@student.ateneo.edu

Malena Riz Ballon
malena.ballon@student.ateneo.edu

Val Allen Eltagonde
val.eltagonde@student.ateneo.edu

Zaidamin Haron
zaidamin.haron@student.ateneo.edu

Franz Andrei Layug
franz.layug@student.ateneo.edu