#startable

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AICALLIGRAPHY



Express the very souls of words through Al

The Team Members:

- Rejey Ezekiel (Leader)
- Ng Wei Jian Lucas (Leader)
- Setia Budi (Member)
- Chin Guan Yu (Member)
- Muhammad Irwan Bin Kamalludin (Member)
- Agnes Leng Jia Wei (Member)

Agenda

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1. What started Al Calligraphy?



- Decrease of **popularity and attractiveness** in Chinese calligraphy among the new generation.
- Requires years of practicing to reach Mastery level.
- Society has evolved to one that is sterile and uncaring, with people spending too much time on their gadgets.

2. What is Chinese Calligraphy?

Calligraphy, literally means "beautiful writing". It is appreciated as an art form in many cultures throughout the world. Chinese calligraphy is the writing of Chinese characters as an art form.





3. Incorporating Al into Calligraphy

Zhao Mengfu (1254–1322), was a famous Chinese painter and calligrapher during the Yuan Dynasty. We can replicate his calligraphy art style through Al.

Training dataset Validating dataset Outcome

花花花花花花花花花花花花花花花

~200 cursive characters from Zhao Mengfu's Thousand Character Classic in Regular and Cursive Script.《赵孟頫真草千字文》

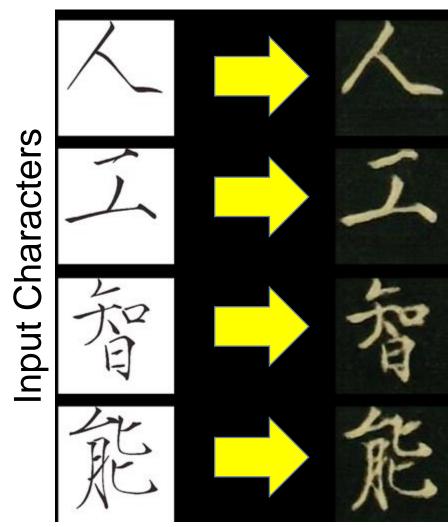


Senerated Characters

4. How it works

- Uses Pix2Pix is a Generative Adversarial Network (GAN) model designed for imageto-image translation.
- Fuses previous works of famous calligraphers (a calligraphy model and a normal character model)
- Produces a new calligraphy character that reflects the style drawn from the original dataset.

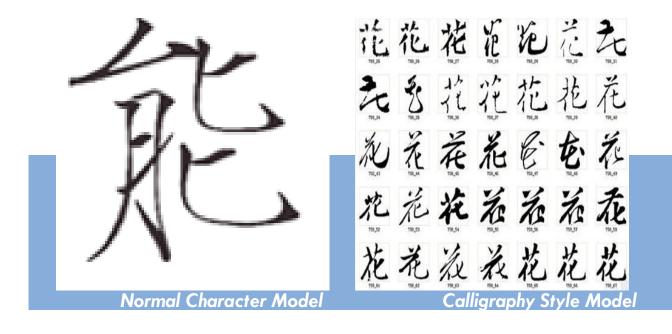
The training will take approximately **2 hours** on HPC Colab.



5. Our Service –(Al Calligraphy)

Al Calligraphy Digital Copy





- We provide customizable Al Calligraphy
 Artwork to our customers.
- Each digital Al art piece cost \$5.

6. Sales Plan

This year our students are introducing a new style of Motivational Gift Cards through deep learning Al GANs (Generative Adversarial Networks)!

The creation process learn the input data patterns of Zhao Mengfu (1254-1322), a famous Chinese calligrapher during the Yuan Dynasty. The model then generates a new calligraphy that reflects the style drawn from the original dataset.





Picture Sizing / Pricing

A4 Size - **\$20** (premade)

4R Size - **\$5** (premade)

A4 Size - **\$30** (custom)

4R Size - \$8 (custom)

Mug - \$30 (premade)

+\$10 for frame*





(net price inclusive of designer cost) Order Now!



- People who are interested in Calligraphy
 (1 Billon Market Sales Value 2021)
- Heritage Centres
- Museums
- Schools
- Community Centers' (CCs and RCs)
- People of ages > 6 years old







8. Social Marketing

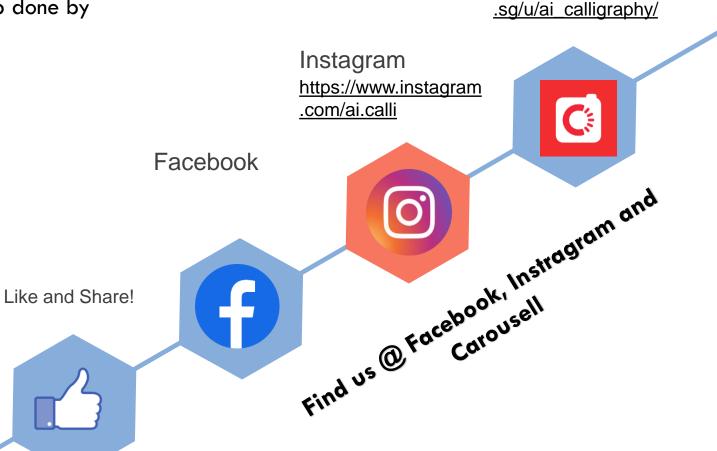
Online Posts

Posts of Calligraphy characters done by students.

Description:

Motivational gift card is created using Google Colab done by inputting normal Chinese characters and the output is calligraphy characters.

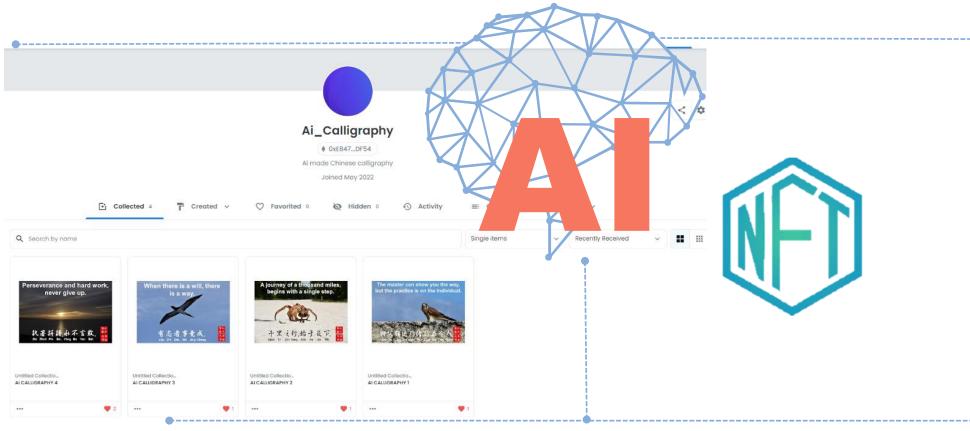




Carousell

https://www.carousell

9. Digital Store Visit our store @ OpenSea https://opensea.io/Ai_Calligraphy







ltem Digital Asset



Transaction Blockchain



Payment Cryptocurrency (ETH)



10. Existing Competitors

CALLIGRAPHY

Competitors:

- Freelance Calligraphers
- Etsy ChineseCalligraphy
- Art Prints

MOTIVATIONAL CARDS

Competitors:

- Lazada
- Shopee
- Any Online Stores





11. Our Strategy

Company Branding

- International Calligraphy Competition
- International Calligraphy Exhibition
- Calligraphy Galleries
- Educational Outreach



Customer Oriented

- Personalized Customization
- Exceptional Follow-up
- Aim for 5-Stars Reviews
- Customer Feedback
- Identify Customer Needs



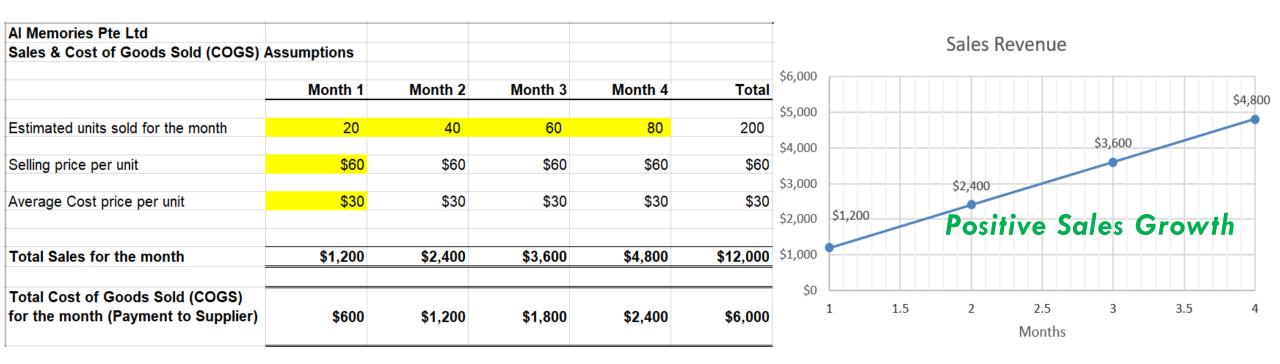


Attract Customer Base

- Life-time Membership (1st Purchase > \$50)
- Unlimited Refinement for 1st Purchase
- 15% Discount with Membership
- Expand Product Variety
- Free Shipping



12. Our Revenue Model



Breakdown of Material Costs:

Motivational Photo	Raw Material Cost	Motivational Mug	Raw Material Cost	Motivational Framed Photo	Raw Material Cost
4R Sheet + Ink	\$0.4 per unit	Printed Mug	\$17.9 per unit	A4 Print	\$7 per unit
				Frame	\$9.9 per unit
Total	\$0.4 per unit	Total	\$17.9 per unit	Total	\$16.9 per unit



13. Cashflow

Model

Net Cashflow = Cash Inflow - Cash Outflow



	Month 1	Month 2	Month 3	Month 4
Opening Cash Balance	0	255	855	1,555
CACH INELOW		Breakeven	at Month	5
CASH INFLOW				
Capital injection	3,000	1,000	500	500
Sales collection	600	1,800	3,000	4,200
Total Cash Inflow	3,600	2,800	3,500	4,700
CASH OUTFLOW				
A. CAPITAL EXPENDITURE				
Business Registration	245	-	-	-
Renovation	-	-	-	-
Purchase of equipment	500	-	-	-
Computer equipment	500	-	-	-
Store Rental Deposit	500	-	-	-
	1,745	-	-	-
B. COST OF GOODS SOLD				
Payment to Supplier	600	1,200	1,800	2,400
	600	1,200	1,800	2,400
C. OPERATING EXPENSES				
Store rental	200	200	200	200
Utilities	100	100	100	100
Internet and Phone	100	100	100	100
Advertisement	-	-	-	-
Salaries	500	500	500	500
Store supplies	100	100	100	100
Maintenance and Repairs	- 1 000	- 1.000	- 4 000	-
	1,000	1,000	1,000	1,000
				0.400
Total Cash Outflow	3,345	2,200	2,800	3,400
Net Cashflow	255	600	700	1,300
Closing Cash Balance	255	855	1,555	2,855

14. Proven Track Record (Test Bed)





Student Enterprise Challenge Booth



Total Profit: \$717

14. Proven Track Record (Test Bed)

Student Enterprise Challenge





Competed against 6 Teams

Won - 1st Prize

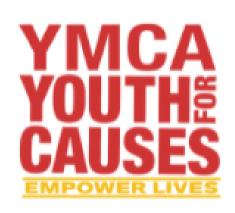
15. Public Outreach (Education)

Presented to Minister Of State Low Yen Ling about Al Calligraphy:

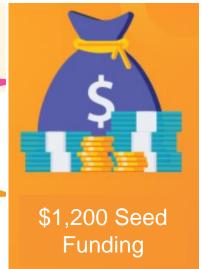




16. Champion a Social Cause (Fundraising)







Chen Su Lan Methodist Children's Home

Chen Su Lan Methodist Children's Home provides shelter, care and protection to boys and girls between the ages of 5 and 21 years old who come from low income, broken, dysfunctional or abusive families in Singapore.

https://www.cslmch.org.sg/

Our Target: \$10,000

PROJECTIDEAS

Initiate innovative and feasible ideas to raise public awareness & funds for your social cause in 15 weeks. Plan ahead, draw up all possible scenarios, work closely with your VWO, mentor & volunteers and implement it boldly!

