

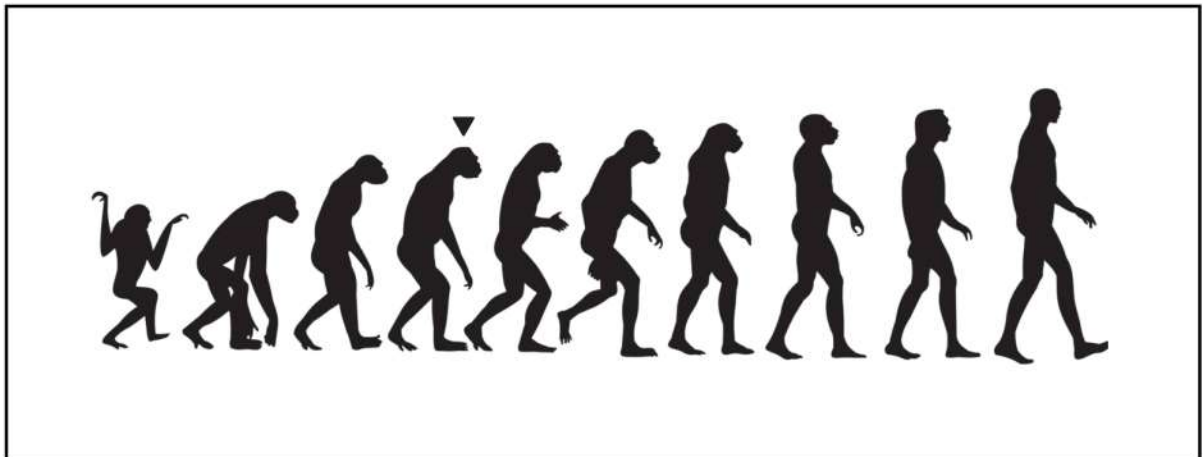
Lumbini Academy
School Extracurricular Activities

A Documentation on

MIN PYAE SONE KHANT

2022 - 2024 Academic Years

Paperback Edition



Counselor: Thar Htet Aung



Author: Min Pyae Sone Khant

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Academic Stats

IGCSE – I have taken 6 subjects in total with A/A* on all the subjects.

GPA – 4.0 (unweighted)

School Final Semester (Year 9) – Took 9 subjects with A* on all the 9 subjects

School Final Semester (Year 10) – Took 6 subjects with A* on all the 6 subjects

School Extracurricular Activities

Activity 1

Club Creation

Co-Founder/Vice President of the Board Games Club (One of the largest and most successful club with over 100+ members + Generated the most revenues)

Role – Promoted the Board Games Club, hosted Events, provided equipment and made collaboration with other clubs

Summary - During 2022-2024 Academic Years I was a Co-Founder at the Board Game Club, which offered various Table Top game activities, Card games, weekly competitions and more.

Duration - Both Year-9 and Year-10 (2022-2024)

Hours spent per week: 28

Weeks spent per year: 35

Activity 2

School Server's Full-stack Developer and Pentester (Computer/Technology)

What I did - Conducted regular vulnerability assessments on the school's internal networks and web platforms, identifying critical security gaps.

Developed an internal cybersecurity awareness program for students and staff to reduce phishing attacks.

Hardened the school's systems against SQL injection, XSS, and other common vulnerabilities. Built a student management system to streamline administrative processes such as administrative controls.

Rep – Sayar Aung Min Thu

Summary - Over the year, I've developed the school's web portal and student database for academic purposes and reported hundreds of vulnerabilities on the school database.

Hours spent per week: 25

Weeks spent per year: 26

Activity 3

What I did - I hosted a cyber security awareness campaign and created the team for two consecutive year winning the best presentation award at the science fair. (Workshop)

Simulated Hacking Scenario: Showed how attackers exploit weak Wi-Fi security, reinforcing the importance of WPA2 encryption.

Advanced Threat Awareness: Targeted at older students and parents, covering social engineering attacks and multi-factor authentication (MFA).

Summary - During the 2022 to 2024 science fairs, I've hosted Cyber security awareness campaigns on how easy it is to fall into scams and how to prevent them. Highlighting common cyber threats like phishing, ransomware, and identity theft.

Hours spent per week: 8

Weeks spent per year: 6

Activity 4

Basketball Club

Position: Shooting Guard

What I did - I am a dedicated and passionate basketball player, serving as a shooting guard for my school's basketball team. With a strong focus on teamwork, agility, and precision, I played a pivotal role in leading my team to victory in the School Sports Day Basketball Competition, where we secured 1st place.

Contributed to devising offensive plays that leveraged my shooting skills and quick transitions.

Demonstrated exceptional teamwork with the captain and other players to maintain a cohesive strategy throughout the game.

Hours spent per week: 15

Weeks spent per year: 18

Activity 5

Photography

I am an aspiring photographer with a keen eye for capturing moments that tell compelling stories. My passion for photography earned me a Bronze Award and two Honourable Mentions in the prestigious 2019 Beijing Silk Road Youth Photography Competition.

The title of the competition was '**Home**'.

What I Did - As part of this honor, I had the privilege of traveling to Beijing, China, to receive the awards and participate in cultural exchange activities with talented peers.

Participated in photography workshops and collaborative activities with youth photographers from around the world, broadening my artistic perspective.

Had been interviewed by several news outlets in Myanmar.

Activity 6

Introduction - As a passionate and driven mathematics enthusiast who enjoys exploring complex concepts and challenging the boundaries of conventional problem-solving. My deep interest in mathematics inspired me to create original **IGCSE Math-B** and **IGCSE Further Pure Mathematics** questions, collaborating closely with my mathematics teacher **Sayar Shwe Kyaw** to design a comprehensive and challenging exam paper.

Rep – Sayar Shwe Kyaw

What I did - Designed questions tailored to the IGCSE Math-B and Further Pure Mathematics curricula, ensuring they tested both conceptual understanding and problem-solving skills.

Using the Apps like Desmos, Geogebra and Figma I produced my own paper and printed it.

Assisted in administering the test to students and analyzing their performance to identify common strengths and areas for improvement.

Future - Currently, I am working on my own mathematics book, aiming to share my knowledge and creative problem-solving approach with a broader audience.

Hours spent per week: 21

Weeks spent per year: 30

Activity 7

Tutoring at school

Introduction - I began an internship and volunteer work as a tutor on June 28th, 2024, at my school. Specializing in Mathematics and Computer Science.

Mathematics Tutoring:

- Guiding students through challenging topics such as algebra, calculus, and geometry.
- Breaking down complex problems into manageable steps to enhance understanding.
- Preparing personalized practice materials and mock tests to improve problem-solving skills.
-

Computer Science Tutoring:

- Assisting students with programming languages, including Python, Java, and C++.
- Explaining foundational concepts like algorithms, data structures, and computational thinking.
- Providing hands-on guidance with coding assignments, projects, and debugging techniques.
-

Collaborative Projects:

- Collaborating with teachers to identify areas where students need the most help.
- Developing resources such as instructional videos and worksheets for broader use.
- Assisting with school events and initiatives, such as coding clubs or math competitions.

Hours spent per week: 40

Weeks spent per year: 16

Activity 8

Live Video Production Crew

Introduction - I had the unique opportunity to combine these two areas by founding a filming team to provide live coverage of all sports-related events at my school. With the help of my father's video production business, I was able to borrow high-quality filming equipment to ensure that every match, competition, and sports day event was professionally recorded. This experience allowed me to not only deepen my understanding of film production but also to contribute significantly to my school's sports community by capturing every exciting moment for future reference and promotion.

What I Did - Recognizing the need for better sports event coverage at school, I gathered a team of like-minded peers who shared an interest in video production and sports.

Utilized equipment from my father's video production business, including high-definition cameras, tripods, microphones, and editing software.

Provided live video coverage for all school sports events, including competitions, matches, and special events such as Sports Day.

[For basketball match, two of my video production crew, **Soren [Shin Thant Khant]** and **Kevin** filmed the match instead]

Ensured multiple cameras were strategically placed around the venue to capture different angles and moments.

Managed live streaming setups, allowing students, faculty, and parents to watch the events in real-time.

Collaborated with the team to edit and compile event footage into highlight reels and full match videos.

Hours spent per week: 29

Weeks spent per year: 12

Activity 9

Student Council

Introduction – As I have a hobby of drawing digital arts, I had the opportunity to contribute to the **2022 Student Council Election** by creating visual designs that represented the candidates. I was responsible for drawing portraits for half of the candidates and completely designing two posters from scratch.

On the **2023 Student Council Election**, I instead competed for the **PR [Public Relation]** role.

What I Did - Chose a semi-realistic style for the portraits, balancing precision and artistic flair to make the images appealing and recognizable.

Worked closely with the candidates to ensure their vision was accurately reflected in the designs

Incorporated strong typography, bold colors, and relevant imagery to make the posters stand out and communicate each candidate's key message.

Hours spent per week: 6

Weeks spent per year: 2

Activity 10

Introduction - As a student with a deep interest in programming and education, I embarked on developing a study software specifically designed to assist students preparing for **IGCSE** exams. The software, currently hosted on **GitHub**, is still in development but aims to provide an interactive and user-friendly experience for students. Built using **Python 3** and the **Tkinter library**, the application is intended to help students manage their study materials, track their progress, and improve their learning experience in various **IGCSE** subjects.

What I Did - The software is designed to be an all-in-one study tool for IGCSE students, allowing them to organize their study schedule, access practice questions, and track their progress across different subjects.

The main goal is to create an accessible and user-friendly interface for students to engage with their study material more effectively.

Features Developed (So Far):

- **Subject Selection Interface:** Allows users to select the IGCSE subjects they are studying and customize their study materials.
- **Basic User Interface:** Built using Tkinter, providing a simple window with buttons, menus, and input fields for easy navigation.
- **Version Control:** Uploaded the software to GitHub to maintain version control and encourage future contributions from other students or developers.

Hours spent per week: 14

Weeks spent per year: 20

Extras:

Participated in the Leadership Training Programs for **2022-2023 MYLP**.

Public Speaker at **Lumbini Graduation 2024**

Won 4th place in **2022 Lumbini Academy Table Tennis Tournament**.

Wrote some light-weighted **Python Ascii** games and **GD [Godot] Script** Games.

Wrote a **GPT 3.5 Turbo** powered AI Math tutor bot using **Elevenlabs**, **Discord API** and **OpenAI API**.

End Of The Statements

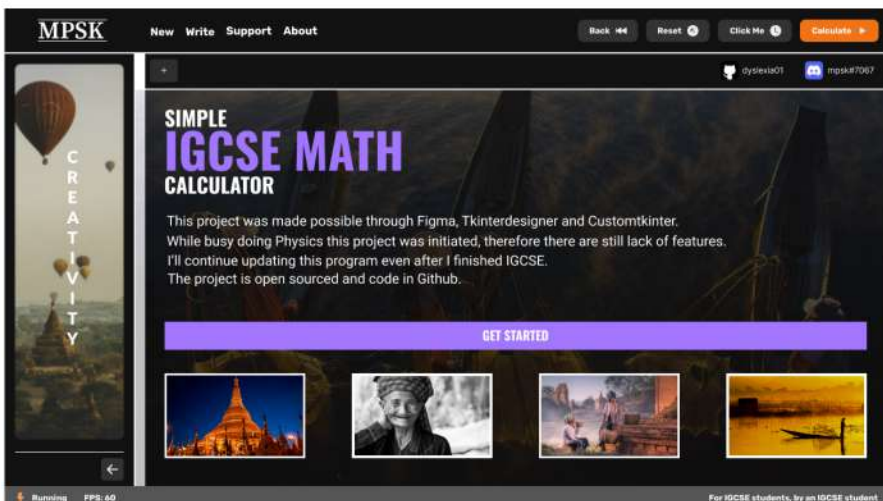
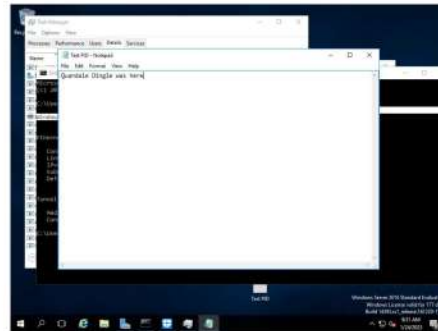
Turn over for Proofs and Evidence

Proofs and Evidence



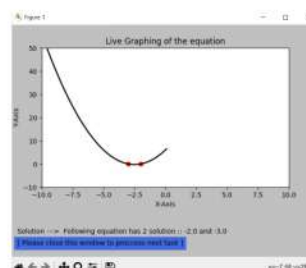
Tab 1.0: Cyber Security Awareness Campaign At Science Fair

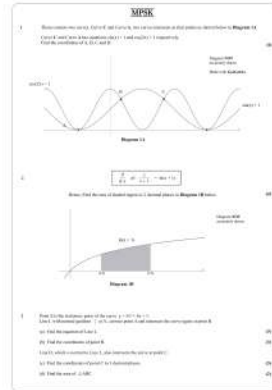
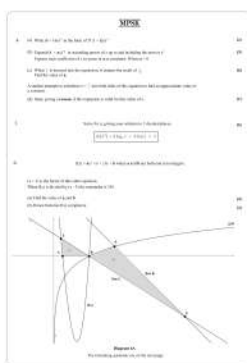
The images below are when the hacking into the school dummy system was successful; Took an picture from the webcam remotely from home, and also a desktop screenshot



Tab 2.0: IGCSE self-study software development

This is where I spend most of my free time back in Year-10. The images of the software below were made first. The software on the left was made later for all-in-one purpose.



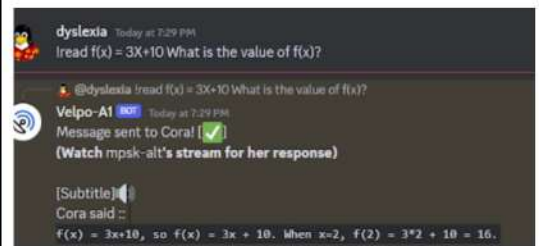


Tab 3.0: My self-made Math Papers

I made the papers with Geogebra, Demos and Figma combined. Then, Sayar Shwe Kyaw later reviewed my paper for validation. This is one of my most memorable and cheerful moment throughout my academic years.

Tab 4.0: AI Math Tutor

I made this publicly available to all my classmates when I started this project back in 2023 April. Special Thanks to **Theinger** for Beta Testing and feedback. This was when the ChatGPT API was free for the first 5\$ credits.

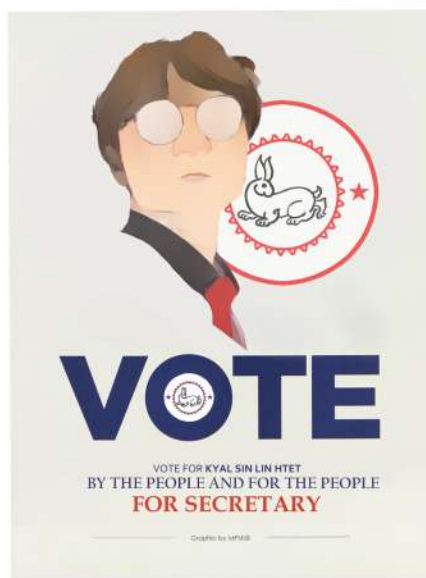


Tab 5.0: Student Council Poster Graphic Designs

This was back in 2022 Student Council Election when I drew the candidates posters and potraits.

The candidates shown are

Left: **Htoo Myat Aung**
Right: **Kyal Sin Linn Htet**




```
Brilliant, now you may proceed beyond and further, Also I will be your guidance because the developer said so...

LOADING
██████████ 20%
```

```
Greeting, fellow explorer.....
Are you sure you want to proceed to the demon-ish ARMANOS?.....

Well you would be thinking WTF is ARMANOS?. Guess what....I don't.
So, don't bother choosing [1] cuz it's just too stupid and you don't want to know (whatever the fuck this is) background story right?
[1] Tell me more about it?
[2] Yep (too easy for me)
::
```



Tab 6.0: Light-weighted Games that I made throughout my Academic Years

The one on the bottom left was a social deduction game based on my classmates. As all of the characters were my classmates and they had to made a choice between who to save.

The bottom right one was the game made entirely out of a joke from **Eric [Toe Tet Htoo]**. We used to joke a lot about farting, so we made a fart clicker game.

The ARMANOS was the classic. The first ASCII game that I made during my class. It's a roguelike Horror RPG game. [Text-Based]



Tab 7.0: The Board Games Club

The left one is one of our advertisement posters. The other variations and banners images were lost.

The image on the far right is the average daily breaktime on our club. The person smiling is the President of our club, **Htoo Myat Aung**.

I was the one taking this picture. The person in the middle image is **Min Aye Chan**, one of our members.



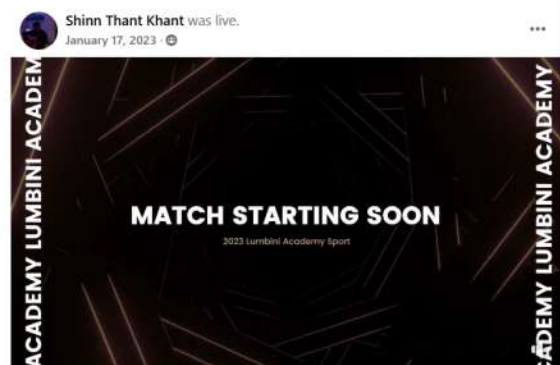
Tab 8.0: Nikon sponsored Beijing Silk Road Youth International Photography Competition

Very nostalgic and I've met a lot of people on the journey. I was the tall kid with the glasses.

Mpsk was live. January 17, 2023

No	Time	Class	Items of game	Venue
1.	9:00 - 10:00	G-5(boys) G-5(girls) G-7(girls)	Football Handball Frisbee	Outdoor Gym 3 Outdoor Gym 2 Indoor Gym 1
2.	10:00 - 11:00	G-6(boys) G-6(girls) G-7(boys)	Football Handball Frisbee	Outdoor Gym 3 Outdoor Gym 2 Indoor Gym 1
3.	11:00 - 12:00	G-8(boys) G-8(girls) G-9(girls)	Basketball Basketball Frisbee	Outdoor Gym 2 Indoor Gym 1 Outdoor Gym 3
4.	12:30 - 1:30	G-9(boys)	Basketball	Outdoor Gym 2
5.	1:30 - 2:30		Badminton & Table Tennis final competition	
6.	2:30 - 3:00		Award Ceremony	

255/16 / 350/14



This is me
[Min Pyae Sone Khant]



Soren
[Shin Thant Khant]



Kevin
[Khant Thu Zaw Tun]

Tab 9.0: Lumbini Academy Spots Related Live Streaming Crew

The live streams are still viewable to this day in the Lumbini Academy Students Facebook group.

Pearson CANDIDATE STATEMENT OF PROVISIONAL RESULTS
INTERNATIONAL GENERAL CERTIFICATE OF SECONDARY EDUCATION
JUNE 2024 EXAMINATION

CENTRE NO. 95153 LUMBINI ACADEMY
CANDIDATE NAME MIN PYAE SONE KHANT
DATE OF BIRTH 19/12/06
UNIQUE CANDIDATE NUMBER 9515382410108

AWARD	COMP. SCIENCE	Mark/Max	Grade
AWARD 4CPO	ESL	0134/0160	9 (nine)
AWARD 4ES1	ICT	0130/0150	7 (seven)
AWARD 4IT1	MATHEMATICS	0160/0200	9 (nine)
AWARD 4MS1	PHYSICS	0231/0300	9 (nine)
AWARD 4PH1	F.P. MATHS	0159/0180	9 (nine)
AWARD 4PM1		0197/0200	9 (nine)

14 AUG 2024 THIS DOCUMENT IS NOT A CERTIFICATE End

LUMBINI ACADEMY
School Year - 2022-23
Semester - II

Student Name : Min Pyae Sone Khant
Grade : Grade 9 (IGCSE-Year I)
Class Teacher : U Zaw Min Aung

Academic Subjects

Subject	Grade
Myanmar	9
English	8
Further Pure Math	9
Math B	9
Physics	9
Chemistry	9
Biology	9
Economics	8
ICT	9
Computer Science	9
Cocurricular Subject	
Physical Education	8
Music	8

Academic Grading

Percentage uniform mark range	Pearson Edexcel grade specification	Cambridge IGCSE grade specification
90 % to 100%	9	A*
80% to 89%	8	A
70 % to 79%	7	B
60 % to 69%	6	C
50 % to 59%	5	D
40 % to 49%	4	E
30 % to 39%	3	F
20% to 29%	2	G
Below 20%	1	H



Tab 10.0: Additional Academic Transcripts and Achievements

I've excluded the others Year-9 and Year-10 transcripts since I don't have the full report card plus it can be accessed via the office.