

Pasir Ris Secondary School

Co-Curricular Activities Testimonial

Student Name: Rafil Alam

CCA: Tinkers' Club

Year of Participation: 2022 – 2025

Date: 16 June 2025

Introduction

It is with great pleasure that I write this testimonial for **Rafil Alam**, who has demonstrated outstanding commitment and leadership as **Chairperson of the Tinkers' Club** from 2022 to 2025. Rafil has consistently shown dedication, initiative, and excellence throughout his CCA journey.

Co-Curricular Achievements

Rafil has been an active and passionate member of the Tinkers' Club, excelling in both crafting and technology-related domains.

Crafting

Rafil has shown steady growth and creativity. He has developed skills in **cardboard modelling**, producing neat and thoughtful prototypes. He is also proficient in **digital drawing** and adept at using crafting machines to create clean, well-designed prints on tote bags, T-shirts, mugs, and key tags. His work reflects a good sense of design and attention to detail.

Technology & Engineering

Rafil has demonstrated strong proficiency and enthusiasm in **text-based programming**, particularly in **Python**. He has successfully recreated various projects, applying logical thinking and structured coding to build functional applications. His ability to write and explain Python code reflects a solid grasp of programming concepts and their real-world applications. While he is familiar with block-based platforms like Micro:bit and Makecode Arcade, his strength lies in text-based coding. Rafil often explores more advanced programming techniques independently. His experience in **robotics**—designing, building, and programming robots—further showcases his technical abilities and innovative thinking.

Leadership & Teamwork

As Chairperson, Rafil has demonstrated exemplary leadership and collaboration among his peers. His key contributions include:

- Planning and facilitating most club sessions

- Initiating bi-weekly team bonding activities
- Mentoring junior members with patience and clarity
- Conducting hands-on sessions in crafting and coding

His approachable and responsible nature has fostered a positive environment where peers and juniors feel comfortable to learn, ask questions, and contribute.

Personal Qualities

Rafil's effectiveness as a student leader stems from the following personal attributes:

- **Dedication** – Committed and consistent in fulfilling his duties
 - **Creativity** – Brings fresh and innovative ideas to club projects
 - **Resilience** – Maintains composure and focus during challenges
 - **Empathy** – Supportive and encouraging toward peers and juniors
 - **Confidence** – Communicates ideas clearly and leads with assurance
 - **Initiative** – Proactively identifies and acts on opportunities for improvement
 - **Trustworthiness** – Respected and relied upon by peers and teachers alike
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Key Contributions in School

- **Mar 2025** – Represented PRSS at NOI (National Olympiad in Informatics) at NUS
 - **Jan 2025** – Achieved 2nd Place at RoboRoarz (SUTD)
 - **Jan 2025** – Organised and managed the school's **CCA Bazaar**
 - **Jan–Feb 2025** – Taught **C++** and **data structures** to Secondary 4 students
 - **Nov 2024** – Organised and managed the school's **Open House**
 - **Jul 2024** – Conducted **Python programming** lessons for Secondary 4 students
 - **Oct 2024 – Jan 2025** – Led a holiday learning camp on **Python Data Science, Machine Learning** (Computer Vision, Reinforcement Learning), and **AI fundamentals**
 - **Mar 2024 & 2025** – Conducted workshops during **Student Learning Festival**:
 - Year 1: App development (C#/C++)
 - Year 2: Web development (HTML/CSS)
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Impact on School Community

Under Rafil's leadership, the Tinkers' Club has become a vibrant and nurturing space for innovation and collaboration. His mentoring has empowered juniors to become confident presenters and active participants. Rafil is a role model of the school's **PRIZE** values — **Pride, Responsibility, Integrity, Zeal, and Empathy** — and continues to inspire those around him.

Conclusion

Rafil Alam's commitment, technical skill, and leadership qualities make him an exceptional individual. He has left a lasting impact on the Tinkers' Club, and I am confident he will continue to excel and make meaningful contributions in the future.



Mr. Wilfred Teo

CCA Teacher-in-charge (Tinkers' Club)

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