A. 南洋理工大學（NTU Singapore）位於新加坡，是亞洲知名的研究型大學，校園環境優美且國際化程度高。學校在工程、科技、商學與科學領域具有良好聲譽，課程重視理論與實務結合，也鼓勵學生參與討論、專題與團隊合作。透過多元的學習環境與來自各國的同學交流，能有效拓展國際視野並提升跨文化溝通能力。

B. 關於我在南洋理工的課程學習，因為我偷懶的關係，我只有選 3 門電機相關的課，不過我覺得綜和來看，難度其實都不算高，至少通過課程並不困難，要求比中山電機的必修還要低一些。而且期末考試前，學校會特別幫學生留一周的複習時間，所以原則上準備時間相當充裕，期中時也有一個 recess week，幫助那些可能課程進度有點落後或是想要休息的人得到一周的時間喘息。

而我受益最多也最喜歡的是一門電機系選修，RADIO FREQUENCY CIRCUIT，這門課很像是我們學校開的微波工程的進階版，讓我可以比較有系統且有概念了解一般天線在傳輸及接收信號時中間我們需要做什麼準備，需要放什麼元件。這個跟我研究所以後可能會唸到的內容可能有滿多相似之處的。而且我本身就對於相關知識還算感興趣，加上老師上課節奏適中，所以課程內容並不算困難，如果有問題也可以馬上跟他求助。我們需要計算的問題也很多是我們將來去公司可能會面臨到的，最後，這門課要通過真的不困難，只要稍微學習去考個試，老師原則上一定會讓你過。總之，不管只是想要學東西，或是單純想要修個學分，這門課我都非常推薦，特別是將來想要走類比 ic 或是天線與微波訊號領域的人。

C. 關於生活上的學習，我想在新加坡除了物價綜合來看大概是台灣的 1.5 到 2 倍之外，其他的方面都差不了太多，對於英文能力上的要求也並不高。我還因為太閒，走在當地的校園被拉入當地的基督教會去吃飯，聽他們虔誠的禱告一起唱歌之類的，交到了一些在當地的友人。教會除了會免費請吃飯之外，有甚麼忙他們原則上也都會免費的幫助你，不管你是不是信眾，但他們也非常希望你能信仰耶穌就是了。總之，我感覺就跟活在台灣沒什麼兩樣，但是有兩點我很想提，就是當地的大眾運輸做的是真的好，到每個地方一定都可以靠公車+MRT 到。還有每個廁所一定都會有廁紙可以用，而且除了觀光地區的廁所會酌收 0.5 新幣之外，大部分是不收錢的。

D. 具體效益:
1. 我想主要是讓我有一個出國的體驗，僅管我是去亞洲國家，我想文化的衝擊不會那麼的震撼，但是不得不說，當地的物價還是有稍微嚇到我，有點小貴。雖然我出國大部分時間是在玩就是了，真的要說課程之外到底學習到什麼，好像也說不上來(可能時不時跟別人用英文聊天算嗎?) 不過我真的認識到學校經費的差距，我其實一直不覺得中山大學有什麼不好的，但是南洋理工是真的很有錢，而且教學水平比中山高了不少，有比較還是有差距的。總之有一個不同的體驗總是好的，至少再讓我選一次我想我還是會出國。
2. 可以鍛鍊獨立自主能力，雖然我自認我獨立自主能力可能還算可以，不過一個人身在國外，總歸是有一種莫名的壓力，畢竟出事了是真的只能自己扛。而且生活上大大小小的事情，還有原本不會遇到的問題，現在都有自己進行處理，容我小小的抱怨一下，我覺得在新加坡星展銀行開戶真的超麻煩的，我前前後後跑了 4-5 次才成功，我估計整個流程花了 1.5 個月吧。
3. 體驗一下他們的課程。我不得不說，只要是當地的教授，教的是真的很好，淺顯易懂，而且教的觀念也都是重要的，不太廢話。而且他們的教學有自己的 sop，不會像中山，很多知識需要學生自立自強的學，所以我覺得整體教學規劃真的是非常好。重點是，所有的考試難度都不難，但有鑑別度，讓所有學生只要有稍微的學習，就不太可能被當掉，但是想要獲取好成績可能比中山還要難一點。

E. 困境嗎?我想最大的困境是我打算去馬來西亞的麻六甲進行獨旅，但是我公車因為太相信 gemini，搞錯站點，所以最後慢了 5 分鐘才到我要搭的長途巴士的地方。而那個票價是 500 元台幣且不能退阿，重新訂票又很麻煩，只能去距離現在位置路程要大概 1.5 個小時的公車站，還不一定有票。我當下其實有點小崩潰，想過要不要放棄改天好了，但是我的行程又排好了，旅館也付了訂金，所以還是硬著頭皮，重新買票，最後比預計慢了 5 個小時才到。我只能說儘管計畫大受打擊，而且又人生地不熟的，當下心情真的有點糟，不過我最終還是有成功抵達目的地就是了，還有馬來西亞還是不錯玩比新加坡好玩。
F. 文化衝擊基本沒有，但是當地的物價有點衝擊到我了，還好我住宿舍一個月只要 14000 台幣還含水電，要是住外面最少

最少都要 24000 台幣且不還水電。另外食物也都滿貴的，基本上要吃飽，在校園內沒有 120 台幣是很難點的，在校園外沒有 150 台幣也很難找到東西吃飽，觀光區的價格更離譜，一瓶 580 毫升的可樂要收我台幣快 90。不過當地人的人均收如也都很高就是了。

G. 我覺得我特質上並沒有甚麼改變喔；成長方面，我也不太確定，我有點像是去遊玩 4 個月的感覺，可能有成長吧但並不多；人生方面，可能是我閱歷還不夠吧，有時候我覺得我真的要臉皮厚一點，我才不會有時候不敢拒絕別人自認為的好意，不過我以後盡量對自己不喜歡的東西堅決一點說不就是了。

H. 因為我出生在一個小康家庭，所以獎學金其實並沒有改變我出國交換意願，但是多多少少緩解了一些對不起爸媽多花這筆錢的愧疚感。

I. 對於獎學金的捐贈者，我其實真的心懷感謝，越長大越知道其實大部分的事情並不是理所應當，能夠享受別人的付出是因為別人的善良，但他沒有義務也不需要幫助我。儘管我有時忘記感恩，但是我對於他人的饋贈還是會感慨，對於一切自以為理所當的一切，我都應當心懷感謝。

Reflection Report:

A. Nanyang Technological University (NTU Singapore) is located in Singapore and is a well-known research university in Asia. The campus is beautiful, and the university has a highly international learning environment. NTU has a strong reputation in engineering, technology, business, and science. Its courses emphasize the combination of theory and practice, and students are encouraged to participate in discussions, projects, and teamwork. Through this diverse learning environment and interactions with students from different countries, I was able to broaden my international perspective and improve my cross-cultural communication skills.

B. Regarding my academic learning at NTU, because I was a little lazy, I only took three electrical engineering-related courses. However, overall, I felt that the difficulty level was not too high. At least, passing the courses was not difficult, and the requirements were even slightly lower than those of the required courses in the Department of Electrical Engineering at National Sun Yat-sen University. Before the final examinations, the university also arranged a one-week study period for students, so there was generally enough time to prepare. In the middle of the semester, there was also a recess week, which allowed students who had fallen behind in class or simply wanted to take a break to have some time to catch up and rest.

The course that benefited me the most and that I liked the most was an electrical engineering elective called Radio Frequency Circuit. This course was similar to an advanced version of the Microwave Engineering course offered at my home university. It helped me understand more systematically what preparations and components are needed when antennas transmit and receive signals. This topic may also be related to what I will study in graduate school in the future. I have always been interested in this field, and the instructor taught at a moderate pace, so the course content was not too difficult. Whenever I had questions, I could also ask the instructor directly. Many of the calculation problems in the course were also related to situations that we may encounter in industry in the future. Finally, this course was not difficult to pass. As long as students studied a little and took the exams seriously, the instructor would generally allow them to pass. Overall, whether students want to learn something useful or simply earn credits, I highly recommend this course, especially to those who may want to work in analog IC design, antennas, microwave circuits, or RF-related fields in the future.

C. Regarding what I learned from daily life, I think that apart from the cost of living in Singapore being about 1.5 to 2 times higher than in Taiwan, many other aspects were not too different. The requirement for English ability was also not as high as I had expected. Because I had quite a lot of free time, I was once invited by members of a local Christian church while walking around campus. I joined them for meals, listened to their sincere prayers, sang songs with them, and made some local friends. The church members often provided free meals and were willing to help others for free, regardless of whether the person was a believer or not. However, they also hoped that people could believe in Jesus.
Overall, living in Singapore felt quite similar to living in Taiwan. However, there are two things that impressed me deeply. First, Singapore' s public transportation system is truly convenient. Almost every place can be reached by taking buses and the MRT. Second, every restroom provides toilet paper. Except for some restrooms in tourist areas that charge about 0.5 Singapore dollars, most public restrooms are free to use.

D. Specific Benefits:

1. I think the main benefit was that I had the opportunity to experience studying abroad. Although Singapore is also an Asian country and the cultural shock was not extremely strong, I have to say that the prices there still surprised me a little because many things were quite expensive. To be honest, I spent most of my time abroad traveling and having fun. If I really have to say what I learned outside the classroom, I am not sure if I can clearly point it out. Perhaps chatting with others in English from time to time can be considered one kind of learning. However, I truly realized the difference in school resources. I have never thought that National Sun Yat-sen University is not good, but NTU is indeed very well-funded, and the teaching quality is also much higher. Only through comparison did I realize that there is still a gap between the two universities. Overall, having a different experience was valuable, and if I had the chance to choose again, I would still choose to study abroad.
2. This experience also helped me train my independence. Although I think I am already quite independent, living alone in a foreign country still creates a certain kind of pressure. After all, if something goes wrong, I can only rely on myself to deal with it. Many small and large matters in daily life, including problems that I would not normally encounter, had to be handled by myself. I would also like to complain a little here: opening a bank account at DBS Bank in Singapore was really troublesome. I had to visit the bank about four or five times before I finally succeeded, and I estimate that the whole process took about one and a half months.
3. I also had the chance to experience NTU' s courses. I have to say that the local professors taught very well. Their explanations were clear and easy to understand, and the concepts they taught were important and practical. They did not spend too much time on unnecessary details. In addition, their teaching system was well-organized and had its own standard procedure. It was different from my experience at National Sun Yat-sen University, where students often need to rely more on themselves to learn many things. Therefore, I think NTU' s overall teaching plan is very well designed. More importantly, the exams were not too difficult but still had the ability to distinguish students' performance. As long as students studied a little, they were unlikely to fail. However, getting a high grade might actually be more difficult than at National Sun Yat-sen University.

E. As for difficulties, I think the biggest difficulty I encountered was during my solo trip to Malacca, Malaysia. At

that time, I trusted Gemini too much and went to the wrong bus stop. As a result, I arrived at the correct long-distance bus station five minutes late and missed my bus. The ticket cost about NT$500 and was non-refundable. Buying another ticket was also troublesome because I had to go to another bus station that was about 1.5 hours away from my location, and I was not even sure whether tickets would still be available.
At that moment, I felt a little overwhelmed and even considered giving up the trip and going another day. However, I had already planned my itinerary and paid a deposit for the hotel, so I decided to continue. I bought another ticket and finally arrived at my destination five hours later than originally planned. Although my plan was seriously disrupted and I was in an unfamiliar place, I eventually managed to reach my destination successfully. I would also like to add that Malaysia was actually quite fun, and in some ways, I found it more interesting than Singapore.
F. I did not experience much cultural shock, but the cost of living in Singapore did surprise me. Fortunately, I lived in a dormitory, which cost only about NT$14,000 per month, including water and electricity. If I had lived outside the campus, the rent would have been at least NT$24,000 per month, and water and electricity would not have been included. Food was also quite expensive. On campus, it was difficult to have a filling meal for less than NT$120. Outside the campus, it was also hard to find a meal for less than NT$150. Prices in tourist areas were even more unreasonable. For example, a 580 ml bottle of Coca-Cola cost almost NT$90. However, the average income of local people in Singapore is also much higher.

G. I do not think my personal characteristics changed much. As for personal growth, I am also not very sure. Sometimes I feel that I was more like traveling and having fun for four months. Perhaps I did grow, but not significantly. In terms of life experience, maybe I still do not have enough experience. Sometimes I feel that I should be more assertive and not be afraid to reject other people' s so-called kindness. In the future, I will try to be more determined in saying no to things that I do not truly like.

H. Since I was born into a middle-class family, the scholarship did not really change my willingness to study abroad. However, it did somewhat reduce my guilt about spending extra money from my parents.
I. To the donors of the scholarship, I truly feel grateful. As I grow older, I realize more and more that most things in life should not be taken for granted. Being able to receive help and support from others is because of their kindness, but they are not obligated to help me. Although I may sometimes forget to be thankful, I still feel deeply moved by the kindness and support I receive from others. For everything that I once took for granted, I should always remain grateful.

