

# 國立雲林科技大學

## 學生出國研習成果報告

研習類別：交換學生

學生姓名：林恩霆

系所年級：四機械四 A

研習期間：民國 112 年 4 月至民國 112 年 10 月

### 一、進修計畫摘要

(內容須包括出國進修的目的及意義、研修主題、進修課程概況、修讀學分及成績、進修學校系所簡介、國外指導老師學經歷等)

### 二、研修成果與返校後學習的關聯性

### 三、本次出國進修經驗與心得分享


### 四、建議事項

無建議事項

### 五、附件

(一) 其他有關資料

(二) 成果報告檔及照片檔光碟片 1 份

所屬系所 審核意見	<p>指導老師簽名：任志強</p> <p>系所主管核章：</p> <p>( *本欄務必就報告內容填寫具體意見，不得空白 )</p>
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※ 備註：

1. 成果報告請用 A 4 紙直式橫書依規定格式撰寫(活動照片請附簡單文字說明)。
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## 一、進修計畫摘要

The main purpose of this exchange is to improve my professional and language skills abroad. Since my major is mechanical engineering, I considered Germany when choosing my destination. I hope that Germany, as a global industrial power, can further enhance my professional capabilities.

At the same time, due to my belief that my English proficiency has room for improvement, I deliberately considered European and American countries. This would allow me to stay in an English-speaking environment for an extended period, ensuring that I have daily opportunities to practice English.

On the other hand, I hope to acquire a second language proficiency. Therefore, I chose German, which can be of assistance in learning my professional skills. Cultivating a second language proficiency allows me to understand more engineering literature and read many engineering books that were originally written in German, as many engineering-related publications are in the German language.

For this exchange, my research topic leans more toward the field of computer science, which is closely related to my major in the Department of Mechanical Engineering, specifically in the field of automatic control. Since a young age, I have been deeply interested in Artificial Intelligence (AI), so I chose to take specialized courses in machine learning.

The courses I have taken include: Data-Driven Optimization for Machine Learning Applications(DDO4MLA)、Deep Learning、Microcomputer Technology、Complex Embedded Systems, and Academic English.

## 二、研修成果與返校後學習的關聯性

The main achievements of the training are: language skills, cross-cultural communication skills, professional knowledge, financial management capabilities, critical thinking ability, problem-solving skills, teamwork skills, and planning skills.

Among them, the language skills and cross-cultural communication skills allow me to make friends outside the Chinese environment. The environment of Chinese speaker is very closed, many people are just monolinguals. This situation will result in us being poor in information, and we can only communicate with Asians or even Chinese. This is a very fatal thing in the modern era of gradual globalization.

And I have to say, the education of English in Taiwan has failed, we will only consider English as a subject rather than a language. People study English not to communicate with foreigners we study English only for exams, for certificates, and to gain extra points in interview.

So, my improve of my language skills will absolutely help me with study in Taiwan, some master's courses are all taught in English, not to mention that many papers and

advanced information in professional fields are written in English.

The cross-cultural communication skills will help me a lot as well, studying and then working abroad has always been my goal, consequently, have ability to communicate with foreigner and learning their culture becomes to an important task.

Learning the culture of a country makes it easier for me to understand what I can do and what I can't while socializing with foreigners, respect is always the point of communication.

My professional knowledge will be my career shortly, so it is imperative for me to improve my professional knowledge.

Not to mention that I study in Germany, which is known as an industrial power.

I go to the library every week to seek more professional knowledge not taught in class, and I believe this professional knowledge like Machine Learning and Complex Embedded Systems will help me a lot in my future.

Financial management capabilities are important for life, For example, I always forget to include the rent, insurance premiums, and other fixed weekly expenses when I plan monthly expenses.

This is fatal, I've faced the challenge of making ends meet more than once due to a lack of funds at the end of the month. Consequently, financial management capabilities will be an important ability.

Also, Financial management capabilities are a way to show my planning ability.

As Benjamin Franklin said "Time is money", I think time management is like financial management, making a financial plan will not only improve your ability in financial management but also your ability in time management.

Speaking of planning skills, this is the ability I need most, I am always a leader in my teams, my club, or my project.

As a leader, I always need to make plans for every step of my team. Arrange the schedule, arrange the work of team members, plan the allocation of funds for the case, and many things besides.

Consequently, learning how to making plans will helps me a lot.

Not only helps me organize our team's work more easily but also helps me work more harmoniously with my team, and realize the "perfect teamwork" in my imagination.

Teamwork, that's a lot to learn, everyone is a different individual, so that everyone has different ideas. How to make a conclusion with the idea of everyone becomes a challenge, a task. Your logic must be clear, knowing how find the balance between everything. Your expression needs to be skillful, knowing how to convince everyone. Your judgment must be accurate, knowing how to make a correct decision.

And do not forget teamwork and communication, there is a very close relationship between the two. In my experience, if the atmosphere in the group is comfortable, the team will go smoothly and complete the study project perfectly. Otherwise, it may

even ruin everything.

But teamwork requires not only group abilities, but great individual abilities are also very important. Among them, critical thinking ability and problem-solving skills will greatly affect the performance in the study career.

I always told myself to think everything critically. Do not just believe whatever information I get, need to consider the logic behind it.

So does study, because Asian teaching methods always want us to just memorize everything and not ask questions, stop understanding the knowledge behind them.

In Asia, everyone just wants a servant, not an employee. Servants should not have any ideas, just listen to the employer.

But this is faulty and morbid, the workplace environment must be fair, employers are also human, and they make mistakes as well. Everyone must have the ability to think independently have their own idea, and know how to question everything in life.

Trying “understand” not “memorized” the knowledge, this is my way to study, information cannot always be entirely accurate. You should nurture your critical thinking and reading skills to prevent ignorance. And after really understand everything, your problem-solving skills will be outstanding.

### 三、本次出國進修經驗與心得分享

This exchange provided me with valuable experiences and relationships.

In the day of departure, I am so nervous and excited in the same time.

I wished time could go slower, because this is my first time away from home, my first time not lean on my parents.

But I also wished time could go faster, because my dream is about to come true, I can finally experience for myself the “Advanced Europe” that people say.

The first day I arrived in Germany was not so smooth. I was fresh with everything, I spent about 128.80 euros to buy the first-class train ticket at the airport, and then I watched the train drive away from me.

They changed the platform 2 minutes before the train arrived, and I, a person who carried two 20-kilogram luggage and a big backpack, needed to run to another platform immediately. How is it possible?

With this experience, I totally could understand why my German friend whom I just made on the airplane told me “Don't expect too much from Deutsch Bahn”.

I felt so ridiculous that Germans were furious when you were late but they could tolerate the train delay.

When it comes to German personality, I have a lot to say about my foreigner friends.

I am a people person, I enjoy making friends and sharing my positive energy with everyone, therefore, I have lots of foreign friends from various countries. They come from Asia, North and South America, the Arab-World Country, and Europe, and each

has a different personality.

Germans, known for their preference for strict adherence to rules, can be stubborn. If a problem arises during a process, it will persist until resolved.

French, I still can't figure out why they make people feel romantic and wild simultaneously.

I have numerous friends from the Arab-World Country who are genuinely warm and welcoming. However, I must also highlight the significant personality differences between males and females in their culture. Men often have strong opinions, and I suggest avoiding arguments with them. On the other hand, women are elegant and gentle, making it very comfortable to interact with them.

Latinos are known for their open-mindedness in relationships and their passionate nature. They make perfect party partners and are exceptional dancers, and I truly enjoy spending time with them at the club.

I also have many friends from Asia, particularly in South Asia and Southeast Asia, where they exhibit great kindness and intelligence!

But these are just rough description, each of my friends have so different characteristic, I will introduce them one by one in the following paragraphs.

But I have to say, even though they are so difference, but all of them have one thing in common —— they know how to accept different people. I feel the environment aboard is the place where I belong.

In Taiwan, people always want me to conform to the norms, but I have always been somewhat of an oddball since I was a child. Why should I hide who I am? I enjoy dancing! I love sharing things I am proud of, expressing my opinions, and conveying my emotions directly to others.

Instead of hearing comments like, “Oh! If you dance so poorly, don't come out and embarrass yourself.” “Stop showing off; you are worth nothing. Be humble!” “Why do you always have so many stupid questions? Be quiet!” “Why do you always have different opinions? Be normal!” “Nobody cares about your feelings! Stop being so emotional; as a boy, you shouldn't cry. Be rational.”

This place often makes me feel inferior, leading me to ask myself constant questions such as, “Am I wrong?” “Why am I so different?” “Why am I always the one abandoned?”. These feelings intensify my desire to be needed, as I can only derive a sense of purpose from others' dependence on me, as I can get a friendship for exchange.

But this sense and relationship is wrong! It is toxic! This made me highly value others' opinions and refrain from offending them, fearing it might lead to my isolation.

For me, Taiwan doesn't give me any feeling like here is my homeland; it is simply the place of my birth and upbringing. I don't have a strong sense of belonging to this land. It feels like, I am in my place of birth, yet I am alone in my heart. Conversely, when I am abroad, I'm in a foreign place, but I feel that is where I truly belong.

And I must admit, I have formed many invaluable friendships there. In fact, I'm quite popular there because of the positive energy I exude. Allow me to introduce my best friend, whom I met in Germany.

It's also worth mentioning that when I introduce my friends, I refrain from mentioning their nationality. I believe that highlighting someone's nationality can potentially shape others' perceptions of my friend due to stereotypes, especially in a relatively closed country like ours. Therefore, I prefer to avoid doing so.

The first one is Hajar! She has been my bestie since the first day of my exchange, everything is very coincided, she gives me so many surprises! First, she can speak Mandarin, our first dialog was “Hi, I am Andy from Taiwan” “真的!? I love Taiwanese!”, I was so surprised she could speak Mandarin and that she knows and loves Taiwan; Second, she is so kind that makes me feel very touched. I had an internet problem on the first day of my exchange, so we solved it with a friend from the USA.

While in the process of problem-solving, I observed their smooth communication. It was then that I realized, "Ah, I am not needed anymore, maybe I should make a graceful exit." So, I quietly withdrew.

But in that second, I heard their calling, they just told me, “Andy! why are you leaving? come with us”

For them, maybe it is just a normal calling, but for me, that means a lot.

That is a sign for me like telling me “Andy, here is not Taiwan anymore, you don't need to be so inferior and hide yourself anymore. Here will accept you, be yourself now! We being your friend is not because we need you, it is just because we like you. Decide your own worth!”

From that day, I stopped hiding and released the real side of me, because there is nothing that ties me down anymore, I don't need to be a “good boy” anymore. I started to be who I am and ceased seeking validation from others.

It can be said that because I met her, the knot that had trapped me for a long time was solved. So, in my heart, I am very grateful to her.

The second one is Sujin, she is my bestie as well. We met during a hiking activity, to this day I still don't understand how we met. That is very interesting, I am a very extrovert and she is an introvert, but suddenly, we become to bestie! All I can say is that friendships are amazing.

She is cold outside but hot inside, in the first time I also felt afraid to talk with her because I think her reaction was a little cold, but after some conversation, I found that it was just my overthinking. She is very enthusiastic, we could chat from afternoon until midnight every time until someone ran out of social energy.

She is politely, her every action exudes politeness, even when she curses, creating an impression of nobility. Till today I still find her to be incredibly powerful. She can

articulate her arguments in a polite manner.

Moreover, she is very considerate. I vividly recall one particular moment that left a lasting impression on me. I was going through a particularly tough period, and she sent me a heartfelt, lengthy message. It deeply moved me, and I couldn't hold back my tears. What made it even more touching was that, at the time, she was already in Korea! And she still remembers me and willing to help me.

For me, she is like my older sister, she is gentle but strong, smart but considerate, teach me a lot of things. Due to space limitations, I can only briefly describe, this is not enough to describe her advantages.

The third one is Sunny, she is a kind lady, I often go to her house to cook and hold some little parties.

Although I met her on the first day of school, we only became acquainted during a trip to München.

She took me to many activities, invited me to many gatherings of her friends, and introduced me to many people. It can be said that she has greatly expanded my circle of friends.

She always makes me feel just like her name suggests – like a sunny day, warm, positive, and constantly encouraging me to grow.

The fourth one is a group, we chose the name 'therapy' for our group because each of us possesses quirky and unique personalities that, in a humorous way, might require some therapy. They are not only fantastic party companions but also exceptional listeners. Even when we're not partying, we can engage in conversations that last from night till morning.

However, at the same time, our behavior may be considered unconventional by traditional Taiwanese standards, although it's considered normal abroad.

We go to clubs when we have free time, enjoy some drinks, smoke, and sometimes have a one-night stand with someone we meet at the club. However, it's essential to clarify that we don't engage in harmful or illegal activities.

And I must emphasize that they made me realize that clubs abroad can be excellent places for socializing.

In Asia, if I want to socialize, it often involves continuous drinking, but here, alcohol is just for enjoyment.

They are all my close friends that I met in Germany, but this is just the tip of the iceberg, it can be said that I have made more friends in Germany in half a year than I have developed in Taiwan in the past few years, and the friendship is more profound. This is not only because they are more accepting of me, but also because I am more truly with them, I don't need to hide myself when I am with them.

I have so much valuable memory while this exchange, I am really appreciating this chance of exchange, it broadened my horizons and made me stop blaming myself.

Thanks for everyone who support me.