



# IVOSMA REPORT 2022





# TABLE OF CONTENTS

**02**

ABOUT THE  
PROGRAM

**04.**

KANGWON NATIONAL  
UNIVERSITY

**07.**

INDUSTRIAL LIFE

**12.**

REFLECTION

**03**

ABOUT ME

**05.**

ACADEMIC LIFE

**09.**

OTHER ACTIVITIES

**14.**

DOCUMENTATION

# About the Program



<https://www.iivosma.kemdikbud.go.id>

Indonesian International Vocational Student Mobility Awards (IIVOSMA) is a scholarship program administered by the Ministry of Education, Culture, Research, and Technology of the Republic of Indonesia that funds Indonesian students for a one-semester mobility program at top universities and respectable enterprises abroad. IIVOSMA will expose Indonesian students to worldwide intellectual and cultural diversity by offering two schemes for undergraduate and vocational students. The Vocational Path is for active Indonesian Diploma 3 and Diploma 4 students (Bachelor of Applied Science) from Vocational Higher Education (VHE) under the Directorate General of Vocational Education.

# ABOUT ME



## MARCELLINO SURYA PRATAMA

*Vocational Faculty & Mechatronical Study Program Batch 2020*

*IIVOSMA 2022 Participant (31 August – 21 December 2022)*

**A person who is highly motivated to pursue his dreams, explore new skills, and pay attention to every detail of his work. “Never Stop Exploring” is my motto which makes me dare to face every challenge and try new things in my life.”**



# Kangwon National University

Kangwon National University is a public research university located in Chuncheon, Gangwon Province, South Korea. It was established in 1947 and has since grown to become a prominent institution of higher education in South Korea.

The IISMA vocational program's academic and lecture components involve face-to-face classroom settings. The teaching method used is curriculum-based theory-based learning, supported by case studies and problem-solving centered on contemporary issues. With the help of these techniques, lectures are expected to do more than just mention theory; they will also provide students the chance to use what they have learned about theory to address issues in the real world.



# Academic Life

## Design for Digital Logic

Students are introduced to "digital logic" in this subject, which is widely used in every computer component and electronic circuit. As we simplified the "boolean expression", counter, flip-flop, and sequential circuit, we concentrated on learning about basic logic and combination.

## Artificial Intelligence with Applied Math

The focus of this course was on numerous mathematical ideas that are employed in artificial intelligence. In this course, learning about deep learning is also applied, including the fundamentals of neural networks. We studied statistics, vectors, matrices, derivatives, and numbering concepts in this course.

## Enterprise Communication

Students were taught how to speak English more energetically through Business Communication. Business Communication is the only course I have taken that is comparable to the others I have done.

# **Korean Language**

This course introduces the basics of the Korean language for daily conversation and was mandatory for foreign students. The range of this course is the Korean alphabet (Hangeul), and the basics of words, particles, and conjunctions. We also learn various verbs which is very useful for daily conversation. In this course, we also have many practices through questions and answers, speaking Korean, describing daily activities, and much more. Each of the students attending this class was given a chance to do a conversation using the Korean language.

# **Storage Systems**

Storage systems introduce the students to the basic concept of storage system which is used in various electronic devices. Flash memory storage was involved in this course as a main topic, combined with the FTL Algorithm. This course gave us insight into how storage system works, their characteristic, and simulation on how to optimize the systems.

# Industrial Life



Besides studying in the classroom, there are also industrial visit activities to give students insight into industrial processes. The listed companies are Hyundai Ulsan Plant, East West Power Donghae, and Korea Broadcasting System (KBS). Through the industrial visits, I had the chance to get to know more about the production processes at Hyundai, filming at KBS, and how their power plant produces energy.

Something interesting, in my view, is the Hyundai Ulsan Plant, where they could implement the use of AI to help their production process and car assembly. Besides that, Hyundai also introduces us to the Hyundai OS, an operating system integrated into each of their cars and able to help the user with many tasks. This industrial visit activity was very insightful for me to learn about future industrial development in Korea.



# Other Activities



**Sport Festival**

This was an activity for all of the foreign students to strengthen their bond with each other. In this activity, we separated into two groups and competed with each other by playing several games. This was my first time interacting with other international students from many countries and having some cultural exchanges with them.



**Drone Workshop**

In this activity, I have the chance to deepen my knowledge about drones. I learned about how to fly a drone, how they work, and where they are usually used. This workshop also gives us a chance to assemble our own drone and test it by ourselves. This activity was very interesting for me because I had never learned about drones before. At the end of the activities, we were given a drone that we assembled before.

This was a volunteering activity that we were involved in. This activity was intended to make a kimchi that would be distributed to locals. I had the chance to learn how to make kimchi, together with other IISMA awardees and Korean students. Some of the university professors also joined this volunteering, and we also had some warm conversations about studying in Korea



**Kimchi Making Volunteering**



**Korean Traditional Music and Dance**

In this activity, we were introduced to traditional music and dance from Korea. I learned about a dance called 강강술래 (Ganggangsullae), maidens' circle dance. I also got to know about the meaning and what are the musical instruments used in this dance. We had the chance to do the dance and try to play the musical instruments, together with the other international students which also participated in this activity. We also wear a Hanbok, a traditional Korean clothes while involved in this activity.



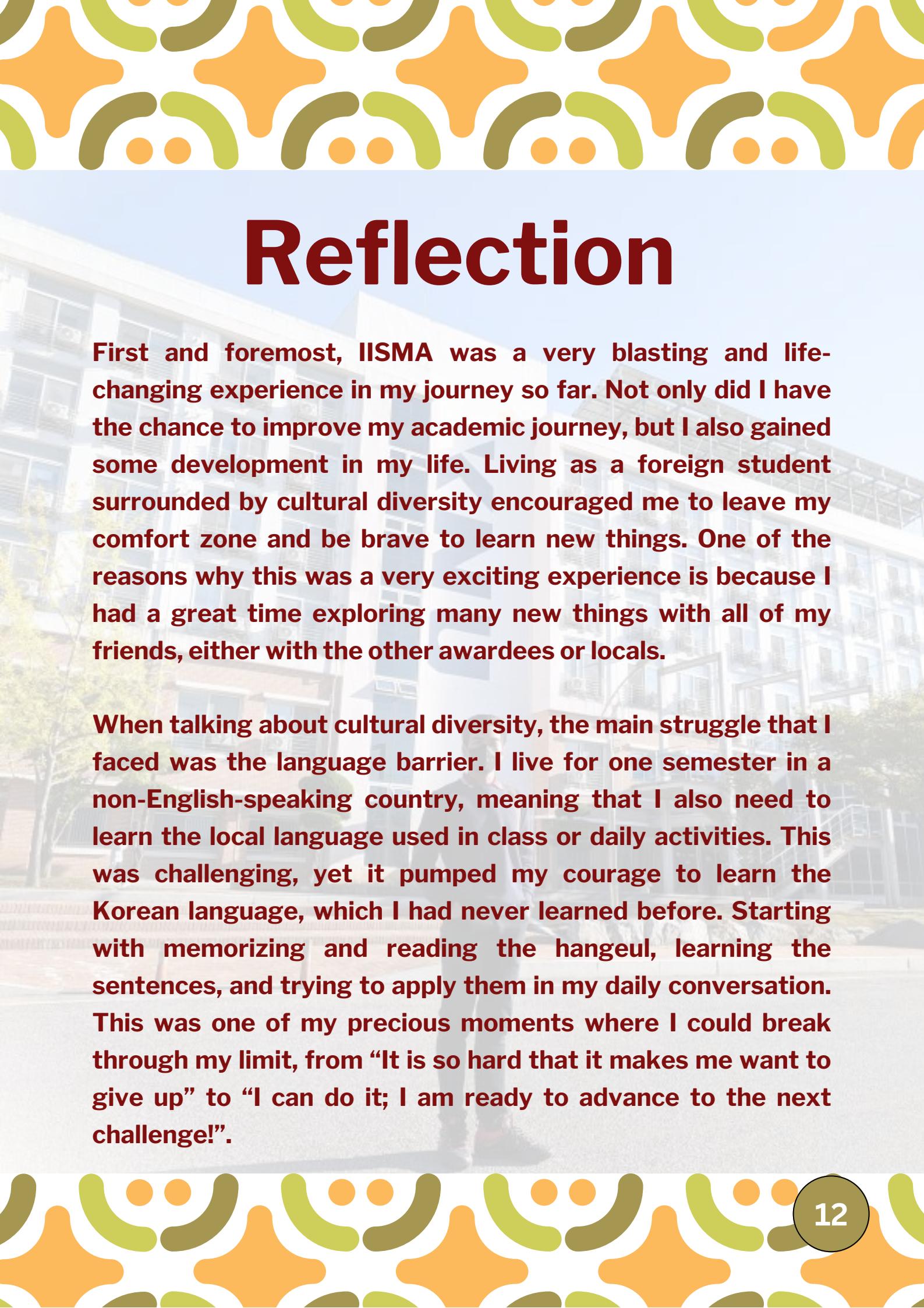
## K-Night

K-Night is a party for all of the international students at KNU. At this party, students can perform dancing, singing, or Korean speaking. In this activity, We performed some Indonesian dances and sang some Indonesian songs together. This activity was intended to strengthen the bond between all of the international students, through cultural exchange and conversation with each other

This activity bring a chance to all of the international students to experience skiing at High One Ski Resort, Korea. Before we started, we learned how to play ski together with the provided trainers. We get to know the basic things about skiing like how to brake and how to go safely. After that, we try skiing by ourselves. In this resort, I and some of my friends try out our adrenaline by experiencing the highest track available, called “Athena”. This was the best sports experience so far for me, because this is a brand new that I could not be able to try in Indonesia.



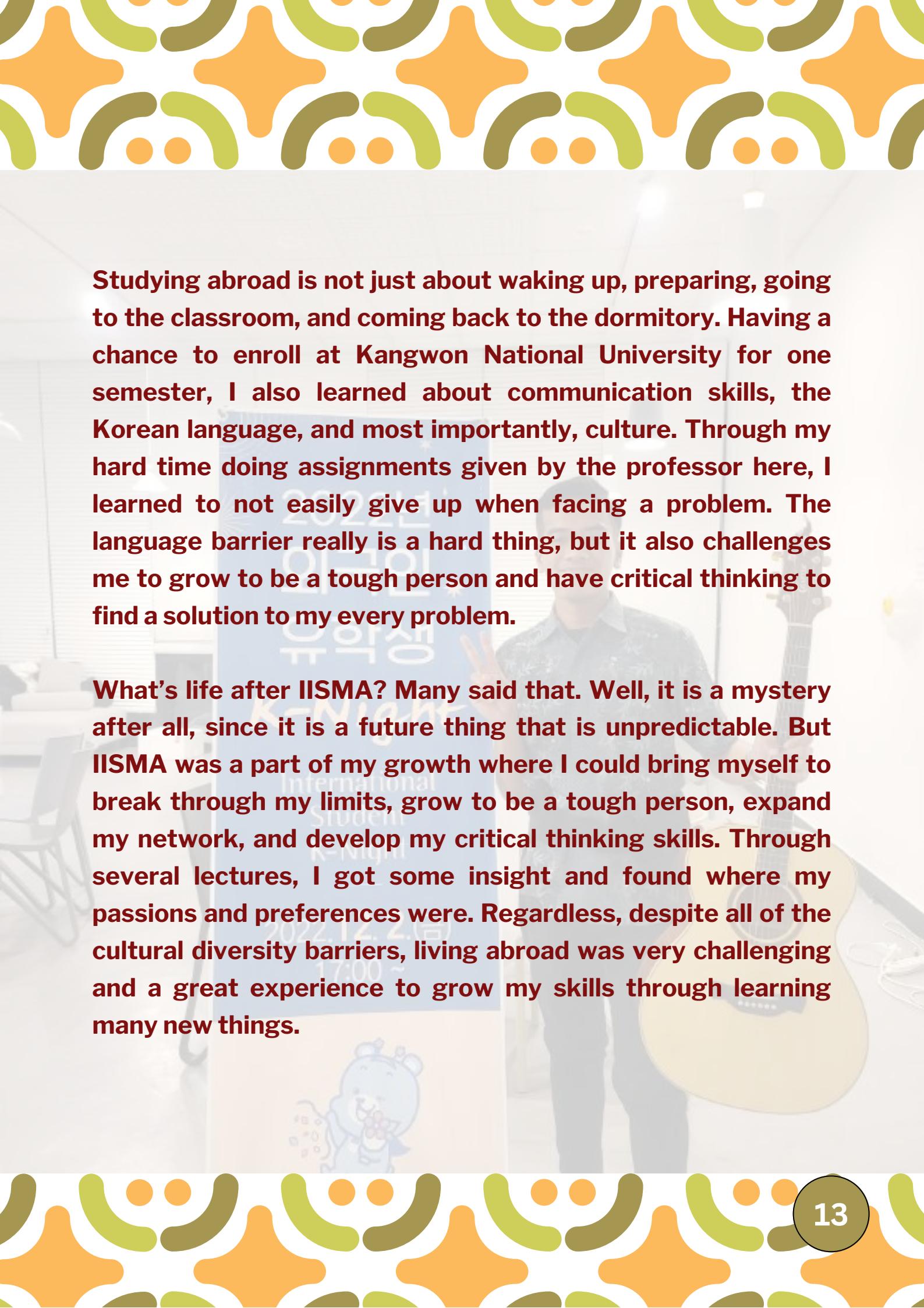
## Ski Experiencing



# Reflection

First and foremost, IISMA was a very blasting and life-changing experience in my journey so far. Not only did I have the chance to improve my academic journey, but I also gained some development in my life. Living as a foreign student surrounded by cultural diversity encouraged me to leave my comfort zone and be brave to learn new things. One of the reasons why this was a very exciting experience is because I had a great time exploring many new things with all of my friends, either with the other awardees or locals.

When talking about cultural diversity, the main struggle that I faced was the language barrier. I live for one semester in a non-English-speaking country, meaning that I also need to learn the local language used in class or daily activities. This was challenging, yet it pumped my courage to learn the Korean language, which I had never learned before. Starting with memorizing and reading the hangeul, learning the sentences, and trying to apply them in my daily conversation. This was one of my precious moments where I could break through my limit, from “It is so hard that it makes me want to give up” to “I can do it; I am ready to advance to the next challenge!”.



**Studying abroad is not just about waking up, preparing, going to the classroom, and coming back to the dormitory. Having a chance to enroll at Kangwon National University for one semester, I also learned about communication skills, the Korean language, and most importantly, culture. Through my hard time doing assignments given by the professor here, I learned to not easily give up when facing a problem. The language barrier really is a hard thing, but it also challenges me to grow to be a tough person and have critical thinking to find a solution to my every problem.**

**What's life after IISMA? Many said that. Well, it is a mystery after all, since it is a future thing that is unpredictable. But IISMA was a part of my growth where I could bring myself to break through my limits, grow to be a tough person, expand my network, and develop my critical thinking skills. Through several lectures, I got some insight and found where my passions and preferences were. Regardless, despite all of the cultural diversity barriers, living abroad was very challenging and a great experience to grow my skills through learning many new things.**











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