

# NIT Kitakyushu Kosen Experienced

I am a student from Kasetsart University, Thailand, who had the valuable opportunity to complete an internship at Kitakyushu Kosen, Japan. Throughout this internship, I gained not only academic knowledge but also life experiences that could not be learned from a classroom alone.

My assigned project was titled “Development of an Autonomous Soccer Robot,” under the supervision of Professor Ayumu Tominaga. My responsibility was to design and select suitable materials for the robot’s components. The process began with designing the parts using CAD software based on the initial guidelines provided by my professor. I then produced prototypes through 3D printing using PLA material to test and verify the suitability of each part before practical use. Once satisfactory results were achieved, the final version was developed using carbon fiber, which offered a lightweight, strong, and highly flexible structure, despite its relatively higher cost compared to other materials. This experience allowed me to strengthen my analytical thinking, systematic problem solving skills, and ability to select appropriate materials for real world applications skills that will be highly valuable in my future career.

Beyond the technical aspects of the internship, I also gained meaningful experiences through various activities organized by Kitakyushu Kosen. Joining the English Club allowed me to exchange languages and ideas with both Japanese and international students, through which I made many Japanese friends. I also participated in the International Cafe activity, which served as a platform for self introduction, cultural exchange, and enjoyable games with both Thai and Japanese friends. In addition, the Thai Language session gave me the opportunity to share Thai culture, sweets, language, and cuisine with my Japanese friends, making it an unforgettable and enjoyable cultural exchange experience.

Throughout this internship, I gained not only technical knowledge and skills but also learned how to live alongside people from different cultures, developing patience, responsibility, and effective teamwork all of which are valuable experiences that will benefit my future studies and career.

Lastly, I would like to express my deepest gratitude to my friends, professors, and everyone at Kitakyushu Kosen for their kindness, guidance, and the wonderful opportunities provided throughout my internship. This experience has been both enjoyable and deeply fulfilling, and it will remain a cherished memory for me always.

【体験談記】インターンシップ期間中は、富永先生の指導のもと、「自律型サッカーロボットの開発」に参加しました。CAD による設計や 3D プリンタを用いた試作、材料評価を行い、最終的にはカーボンファイバーを用いた軽量で高強度な部品開発に取り組みました。この経験を通じて、設計技術や問題解決能力、材料選定に関する知識を深めることができました。また、英語クラブやインターナショナルカフェ、タイ語講座などの国際交流活動にも積極的に参加しました。学生同士の交流を通して相互理解を深めるとともに、タイの文化や言語、食文化を紹介する貴重な機会となりました。技術的な知識だけでなく、多様な文化を持つ人々と協力する大切さや、責任感、チームワークを学ぶことができました。北九州高専での経験は一生の思い出です。

