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I. INTRODUCTION

KMUTNB was jointly founded by the Royal Thai Government and the Federal Republic of Germany as the North Bangkok Technical School in 1959; colloquially known as Thai-German Technical School. In 1964, the school was upgraded to "Thai-German Technical College" before becoming King Mongkut's Institute of Technology North Bangkok Campus in 1971. Later in 1986, King Mongkut's Institute of Technology separated into three autonomous universities and the North Bangkok campus became King Mongkut's Institute of Technology North Bangkok. In 1995, KMUTNB extended its educational obligations to the rural areas, leading to the creation of the Prachinburi campus in Prachinburi province. Later in 2007, King Mongkut's Institute of Technology North Bangkok was renamed "King Mongkut's University of Technology North Bangkok" and became an autonomous state university. The logo of KMUTNB is shown in Fig ?? and 2.



Fig. 1. The logo of KMUTNB

A. Campuses

- **Bangkok campus** occupies 14.08 hectares with 43 buildings.
- **Prachinburi campus** occupies 197.41 hectares with 22 buildings.
- **Rayong campus** occupies 16 hectares with 9 buildings.



Fig. 2. Paphawarin

II. INFORMATION

A. Info

- **Name** : Paphawarin Suchantabut
- **Nickname** : Focus
- **Birthday** : 24/02/2004
- **Age** : 19
- **Favorite pet** : dog

III. GENETIC ALGORITHMS

In computer science and operations research, a genetic algorithm (GA) is a metaheuristic inspired by the process of natural selection that belongs to the larger class of evolutionary algorithms (EA). Genetic algorithms are commonly used to generate high-quality solutions to optimization and search problems by relying on biologically inspired operators such as mutation, crossover and selection.[1] Some examples of GA applications include optimizing decision trees for better

performance, solving sudoku puzzles,[2] hyperparameter optimization, causal inference,[3] etc.