A global PBL called “Cross—culture Engineering Project (CEP)” in the Graduate School of Science and Engineering was conducted with KMUTT in Bangkok, Thailand. This PBL is a 10—day educational program that proposes problem settings, solutions, and prototypes based on systems engineering and systems thinking. Themes focus on social issues (traffic, environment, food loss, etc.), and requirements, proposals for solving problems, business model proposals, and visualization proposals using prototypes are discussed and implemented. In addition, field trips and factory tours were conducted to solve SDGs related issues including new business models. Finally, several assessment tests were performed to evaluate the competencies of participated students.