**Joint Workshop for Global Engineers in Asia (JWGEA) 2024**

**KMUTT Bangmod campus, 22-26 July 2024**

**TITLE OF RESEARCH**

Diew Koolpiruck1, Poj Tangamchit2

1Faculty of engineering, King Mongkut’s University of Technology Thonburi, Thailand

2Faculty of science, King Mongkut’s University of Technology Thonburi, Thailand

diew.koo@kmutt.ac.th, poj.tan@kmutt.ac.th

**Abstract**

The abstract is limited to 200 words and cannot contain equations, figures, tables, or references. It should concisely state what was done, how it was done, principal results, and their significance.

**Keywords:** The author shall provide up to 5 keywords to help identify the major topics of the paper.