

# A PARTICIPATORY APPROACH TO PREVENT CLIMATE CHANGE IN FACULTY OF MEDICINE, THAMMASAT UNIVERSITY

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Nowadays, Climate change is global environmental issues, so the organization should have carbon profile for management of carbon dioxide emission. The purposes of this project is to show the result of carbon footprint that is surveyed from 3rd year medical students and three departments in Faculty of Medicine, Thammasat University, including department of education, transportation and laboratory. This project used participatory action research among medical students and personnels to reduce carbon dioxide emission in faculty of medicine. Initially, third year medical students were surveyed about energy use in daily life. For the three departments, we used secondary data, including paper and ink use from department of education, diesel use from department of transportation, and chemical substances and electricity use from laboratory. We also created learning activity for third year medical students and collected them the opinions about carbon dioxide reduction. Finally, we presented the results and opinions to the heads of three departments.

The results showed that third year medical students emitted carbon dioxide approximately 2.01 tonCO2eq/year/person in daily life and also gave the opinions about carbon dioxide reduction. Carbon footprint of three departments, including department of education, transportation and laboratory are 5.92, 6.43, 25.65 tonCO2eq/year, respectively. For pretest and posttest in topic “climate change and carbon footprint” , the third year medical students have average score of 85.2% ,97.8 % ,54.8% และ86.6%, respectively

**Biography**
Mr.Nutthiwut Boonsa-ard is studying in 4th year medical student at age of 22 years from Faculty of Medicine,Thammasat University,Thailand

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