

## Smartphone in teaching Physics

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This paper aimed to review literatures about how mobile phone is implemented in teaching physics from more than twenties papers in journals with a section on physics teaching such as Physics Education, European Journal of Physics, The Physics Teacher, American Journal of Physics, etc. In the past few years, technology of smart mobile phones has changed the way we lives and also are going to change the way we, as physics educators, teach. In this paper, a use of the smartphone for teaching physics was divided into five categories, according to applications (Apps). Firstly, the applications are used as a voting system. Secondly, the applications worked with built in sensors are for using as data collection instruments. Thirdly, the applications are for viewing teaching videos. Fourthly, the applications are used as a way for an instructor to communicate with students outside of the classroom. Fifthly, the applications with interactive simulation are used for students to learn from physics simulations or games. Examples of each category are given and discussed their possible implications for teaching physics.

**Author:** Ms SUTHICHON, Pokonwong (Department of Physics and Material Science, Faculty of Science, Chiang Mai University, Chiang Mai, 50200, Thailand)

**Co-author:** WATTANAKASIWICH, Pornrat (Department of Physics and Material Science, Faculty of Science, Chiang Mai University, Chiang Mai, 50200, Thailand)

**Presenters:** Ms SUTHICHON, Pokonwong (Department of Physics and Material Science, Faculty of Science, Chiang Mai University, Chiang Mai, 50200, Thailand); WATTANAKASIWICH, Pornrat (Department of Physics and Material Science, Faculty of Science, Chiang Mai University, Chiang Mai, 50200, Thailand)

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