Develop training in online courses Consulting System Mapping using Google MyMaps for a database of student support systems

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Abstract

The objectives of this research were to (1) Develop training in online courses Consulting System Mapping using Google MyMaps for a database of student support systems and (2) To study the satisfaction of the online training participants in online courses Consulting System Mapping using Google MyMaps for a database of student support systems. The population used in this research including students, students, teachers and educational personnel of 66 people who were interested in this online courses. Research tools are Online courses Consulting System Mapping using Google MyMaps for a database of student support systems and The satisfaction questionnaire for the online courses Consulting System Mapping using Google MyMaps for a database of student support systems. The statistics used were percentage, mean, and standard deviaton.

The results showed that (1) Result of the develop training in online courses Consulting System Mapping using Google MyMaps for a database of student support systems is appropriate at the highest level ($\bar{x}$ = 4.51, S.D. = 0.51) (2) The satisfaction for the online courses Consulting System Mapping using Google MyMaps for a database of student support systems at the high level.($\bar{x}$ = 4.44, S.D. = 0.07)

Keywords: *Training course development /Mapping/ Online Consulting System*

1. Introduction

Today our world has changed very rapidly, New technology to make the world narrower and widespread use of information technology in many organizations for more convenience and efficient data management. Geographic Information System is the technologies to manage spatial data which is a computer-based tool to assist in importing, storing, arranging, modifying, editing, managing and analyzing and display data according to the specified objectives. Remote Sensing and Global Navigation Satellite System for applications in various fields to be efficient in spatial data management for analyze and apply it in natural resource management planning by effectively. Moreover, in the education system, the geo-informatics system is used in terms of management zoning of study areas as School Mapping or student support system.

Student support system is a practical procedure with methods and working tools with advisors as the main personnel in such operations for use in student development operations.

Develop training in online courses Consulting System Mapping using Google MyMaps for a database of student support systems was developed by the Social studies program, Faculty of Education, Kamphaeng Phet Rajabhat University, Kamphaeng Phet, Thailand. This is an effective tool for taking care of students that advisors can keep records and analysis the necessary information of students to reduce the rate of problems during study or if there is a problem, it can be fixed immediately.

2. Study area

The target groups in this research consist of teachers and educational personnel, students and general interested people who have attended in this training course,66 respondents.

3. Objectives

3.1 To develop training in online courses Consulting System Mapping using Google MyMaps for a database of student support systems.

3.2 To study the level of satisfaction of the trainees in online courses , Consulting System Mapping using Google MyMaps for a database of student support systems.

4. Methods

4.1 The course design process consists of the following processes:

1) Study the needs of teachers and educational personnel for training online courses in geography

2) Consider the courses that are most interested to learn in the circumstances outbreak of covid-19.

3) The selected courses were analyzed to be consistent with the context and use of teachers and educational personnel which found that an online advisory system to use as a database of student support systems is most consistent with the context of educational personnel.

4.2 Implementing the course.

1) Create video clips to show, how to do online consulting system using Google MyMaps for a database of student support systems.

2) Upload video clips into Google Form with a description of the procedure.

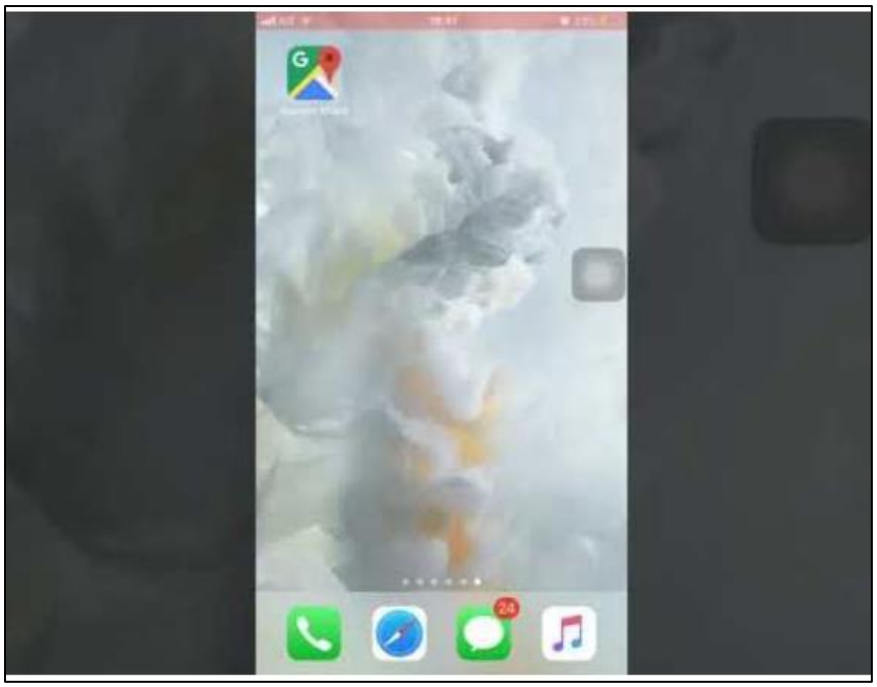

Figure 1. Coordinate determination by Smartphone (Latitude,Longitude)

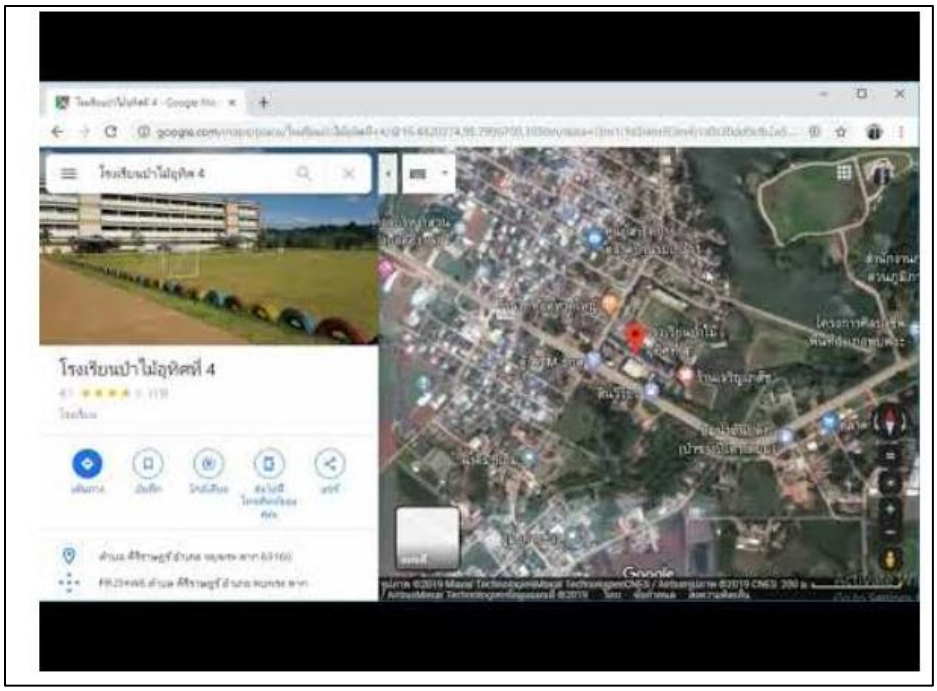

Figure 2. Coordinate determination by Google Map (Latitude,Longitude)

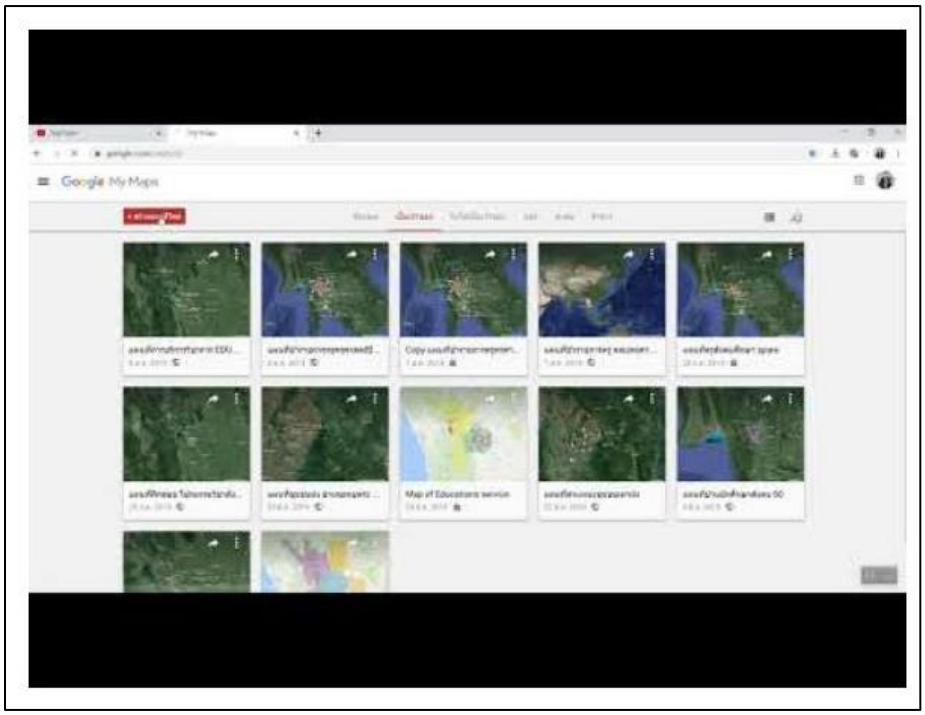

Figure 3. Online mapping with MS Excel, displaying results on Google Mymaps.

3) When the trainees have created an online advisory system using Google MyMaps Participants share a link to the work they have created.

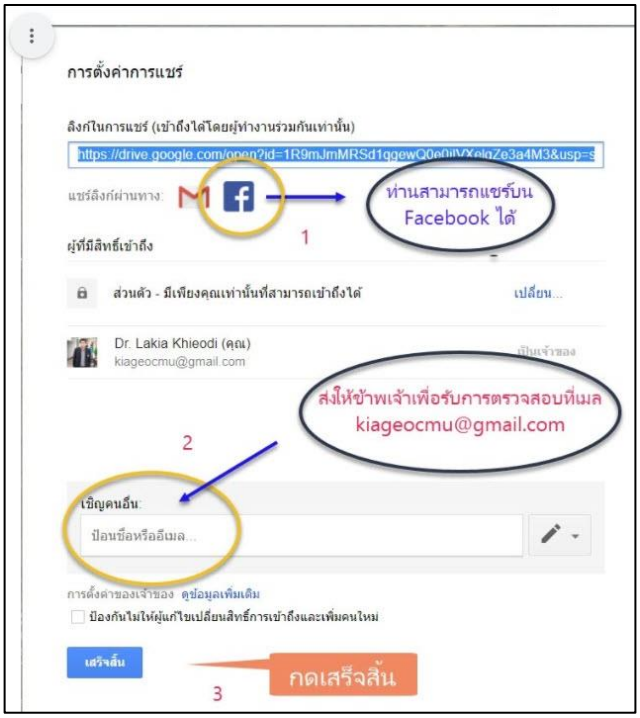

Figure 4. Trainees share the work to administrator.

4) The administrator checks the work and sends the certificate to the participants via E-Mail.

Figure 5. The certificate.

4.3 Curriculum evaluation.

1) Design a satisfaction assessment form in online courses , Consulting System Mapping using Google MyMaps for a database of student support systems.

2) Take the assessment form to a qualified person for review and adjust as appropriate

3) Create a satisfaction assessment form in online courses , Consulting System Mapping using Google MyMaps.

4) Share a satisfaction assessment form in online courses , Consulting System Mapping using Google MyMaps to trainees.

5) Summarize the results of the assessment and discuss the results.

5. Data Analysis

1) Information about the status of the respondents analyzed by frequency distribution and percentage.

2) Information about a satisfaction assessment form in online courses , Consulting System Mapping using Google MyMaps for a database of student support systems was analyzed by taking the mean ($\bar{x}$) and Standard Deviation (S.D.) The criteria for interpretation are set as follows:

4.51-5.00	Satisfaction level Highest level
3.51-4.50	Satisfaction level High level
2.51-3.50	Satisfaction level Moderate level
1.51-2.50	Satisfaction level Low level
1.00-1.50	Satisfaction level Lowest level

6. Result

The results showed that

6.1 Result of the develop training in online courses Consulting System Mapping using Google MyMaps for a database of student support systems. There are 5 main components: 1) Principle 2) Objective 3) Content of learning 4) Organized learning activities 5) Assessment of learning is appropriate at the highest level ($\bar{x}$ = 4.51, S.D. = 0.51)

6.2 The satisfaction for the online courses, Consulting System Mapping using Google MyMaps for a database of student support systems at the high level.($\bar{x}$ = 4.44, S.D. = 0.07) The aspect with the highest evaluation is Knowledge and utilization ($\bar{x}$ = 4.50) followed by Lecturers ($\bar{x}$ = 4.48) and the least is Service process/process ($\bar{x}$ = 4.35)

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