

# GEOGRAPHIC INFORMATION SYSTEM TRAINING.

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## ABSTRACT

Geographic information system is modern important system that is designed to capture, store, and manage spatial or geographic data. The application of GIS system is beneficial to students of Suan Sunandha Rajabhat University to allow them to create interactive queries, and analyze spatial information and present the results of operation. The objectives of this research were to survey the level of satisfaction of students who were in the training room with the knowledge of geographic information system and to offer some suggestions to improve the training for future students. This study employed a quantitative research study which was conducted by interviewing 200 students in the training room for geographic information system. The findings of this study revealed that the trainees of geographic information system reported a high level of satisfaction. They also reported that they believed this trainings would benefits both academic and professional work in the future.

**Keywords:** Geographic Information System, Training, Satisfaction

## INTRODUCTION

Geographic information system is modern important system that is designed to capture, store, and manage spatial or geographic data. The application of GIS system is beneficial to students of Suan Sunandha Rajabhat University to allow them to create interactive queries, and analyze spatial information and present the results of operation. GIS is a system that can accurately and precisely select and analyze the geographic information. In addition to spatial analysis, it can also refer to earth coordinates usage requires planning and setup in terms of quality and characteristics of the data for the analysis. For instance, data scale can be specified, and data can always be updated. Moreover, multiple sets of data can be integrated or merged. (Esri, 2012) ArcGIS10 is able create the collect events and city morphology analysis. (Morakot, 2014)

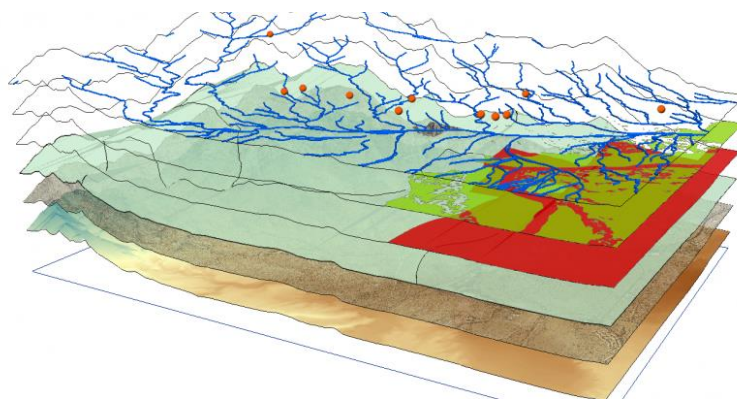


Figure 1: Geographical Information System (GIS) for Culture (UNESCO Bangkok Asia and Pacific Regional Bureau for Education, 2017)

The training of GIS system will help students to be able to do advance assignment required by the faculty members and help students to progress in their field when they graduated and enter the job market. It is imperative for the researcher to focus on the level of satisfaction of the training from the perspectives of the students.



Figure 2: The training of GIS system

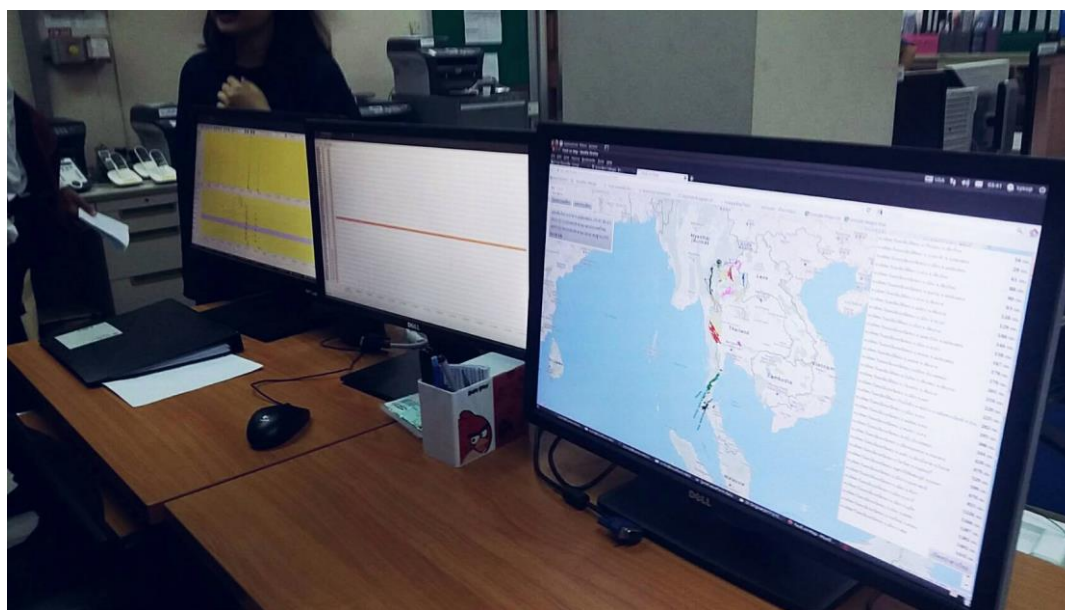


Figure 3: GIS Program

## OBJECTIVES

The objectives of this research were to survey the level of satisfaction of students who were in the training room with the knowledge of geographic information system and to offer some suggestions to improve the training for future students.

## METHODOLOGY

This study employed a quantitative research study which was conducted by interviewing 200 students in the training room for geographic information system. The group was selected from two domains in order to gain different perspectives. The two domains of the focus group included male and female students.

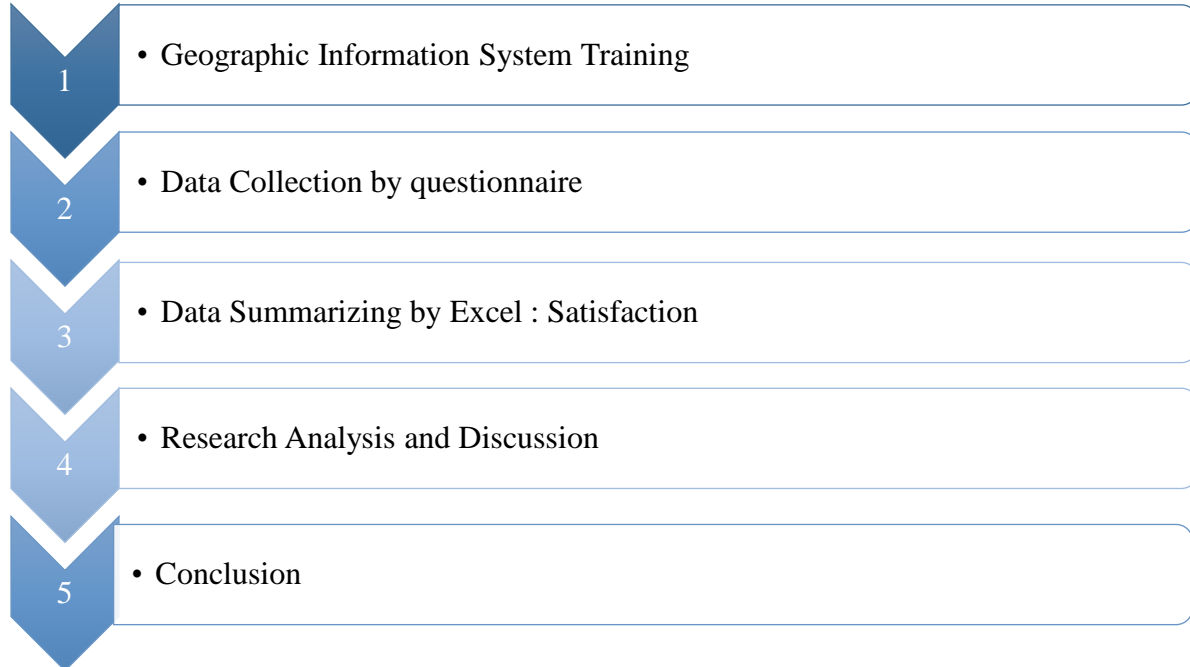


Figure 4: Five Steps of Research Process

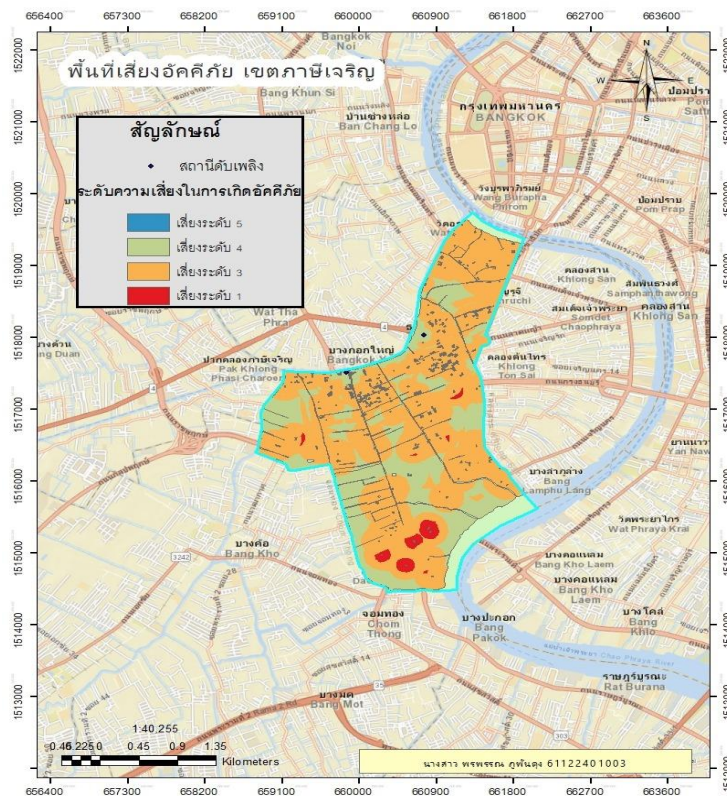


Figure 5: Student work results after training

## FINDINGS

The findings of this study revealed that the trainees of geographic information system reported a high level of satisfaction. They also reported that they believed this trainings would benefits both academic and professional work in the future.

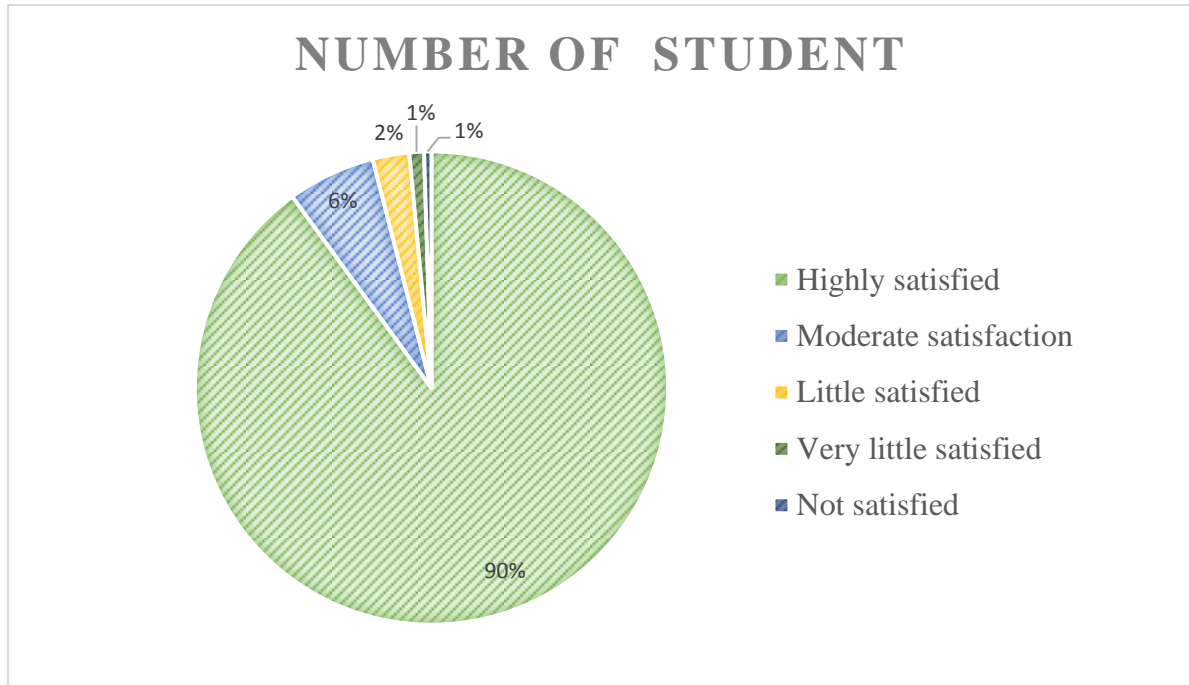


Figure 6: Level of satisfaction

Satisfaction level	Number of student
Highly satisfied	180
Moderate satisfaction	12
Little satisfied	5
Very little satisfied	2
Not satisfied	1

Table 1: Level of satisfaction

## SUGGESTIONS

There were some suggestions about the training. First, the training should provide more information online to further the study. Second, there should be the network group of students who share the same interests in the applications of geographic information system. Third, there should more training of similar system for students who aimed to advance in this field.

## ACKNOWLEDGEMENT

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