

# THE ATTITUDE OF STUDENTS OF FACULTY OF SCIENCE AND TECHNOLOGY SUAN SUNANDHA RAJABHAT UNIVERSITY TOWARDS PROFESSIONAL EXPERIENCES TRAINING.

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## ABSTRACT

The sample in this research are 226 people collect information by using questionnaires. Analyzed and processed with statistical software. The statistics used for data analysis were frequency, percentage, mean, standard deviation, and testing by the statistically significant at the 0.05 level. The results showed that the attitude of students towards science and technology professional experiences in all aspects. Including the establishment, the second is the attitude of the students and the process, respectively. Compare the attitude of students of science and technology towards professional experiences by demographic found that gender differences result in the attitude of students of science and technology on the professional experiences in the workplace. The attitude of the students and the process difference was statistically significant at the 0.05 level by female attitudes toward professional experiences than men in every field.

**Keywords:** Attitudes, Science and technology, Professional experiences training

## INTRODUCTION

The government has set a national strategy for 20 years (AD 2561-2580) guide the country's development in the long term. To achieve the country's vision "Thailand has a stable, prosperous, developed country with a sustainable development philosophy of sufficiency economy". Ministry of Higher Education, Science, Research and Innovation has laid the framework for the development of higher education, scientific research and innovation of the country, according to a power-driven national development. The Ministry has prepared a vision. "Thailand prepares a 21st century economic development opportunities that are distributed evenly, social security and a sustainable environment by strengthening the innovation, leading international take the country towards developed countries" [1].

However, Suan Sunandha Rajabhat University is an institution of higher education. It is managed appropriately following the teaching mission of the university. One of the missions is to produce graduates with quality, performance and labor market needs. The University is governed by the act graduates' graduates enter the workforce as a product of the teaching process, the quality of graduates is a reflection of the production process and the quality of the university [2]. The process of teaching, the quality of graduates who graduated from Suan Sunandha Rajabhat University with a job and the needs of the labor market or continue their education at a higher level to compete with graduates from other institutions [3].

The higher education focusing on literacy skills that students have access to higher vocational and professional experiences aimed at training in the real work to achieve a successful career in the world of reality. Internship in the place that counts is the ultimate experience under the guidance of experienced people to help you know how to work to

improve the quality and time efficiency. Simultaneously, it was a fine gesture, speech, personality reaction to rest concerning treatment and ethical manner, as well as to the sharp practices that work together. Therefore, people are going to need professional experiences are important features are the ones who will be trained to change adaptable, ready to learn, thirst for knowledge and enthusiasm for the job responsibilities. Professional experiences to feel the joy and fun way to learn it is also an important test that we are ready to develop their confidence and ability to elevate respectively [4].

Professional experiences of undergraduate students in the Faculty of Science and Technology of Suan Sunandha Rajabhat University, all students are required to attend at least 300 hours of professional experiences in the internship, students have to experience to work [5]. It is the skill and experience to benefit the careers help students understand the practical-critical, professional and technical courses are high. The aim is to give students the feature set is that through the internship to develop their competency technically. It features enough to work the next higher level of quality and efficiency. It also builds confidence and a positive attitude towards the profession and provide students with the skills that are important for the performance enhancement of the occupation in the future.

Researchers at the University of the supporting staff are so vital to encourage students have the opportunity to experience professional training to their full potential. We have studied the attitudes of students towards science and technology professional experiences to look forward to this technology led to the development of professional experiences efficiency further.

## **OBJECTIVES**

1. To study the attitudes of students towards science and technology professional experiences.
2. To compare the attitudes of students towards science and technology professional experiences by demographic characteristics.

## **METHODOLOGY**

### **The population**

The population in this study were students at a vocational training school in the 1st semester 2562 academic year, 441 people.

### **The Sample**

The sample was composed of students from professional experiences in the 1st semester 2562 academic year, 220 people [6].

### **The variables used in research**

The attitude of students of science and technology towards professional experiences include the establishment of student attitudes and processes.

### **Tools used in research**

The instrument used in the research is the attitude of students towards science and technology professional experiences.

The research data was analyzed statistically using a computer to calculate the statistical software packages. The researchers used the data were analyzed by descriptive statistics, frequency and percentages to describe the demographic characteristics of students.

Analysis of the attitudes of students towards science and technology professional experiences using mean and standard deviation and inferential statistics. Statistical tests are used to test T-test to compare the attitudes of students towards science and technology professional experiences by demographic characteristics.

## RESULTS

1. Demographic characteristics of the students found that most males the figure was 54.4 percent, and the department of applied science students accounted for 73.0 percent.

2. The attitude of students of science and technology on the professional experiences in all aspects include the is the establishment, the second is the attitude of the students and the final is the process in the order shown in Table 1.

**Table 1.** The following table shows the mean and standard deviation of the attitude of students towards science and technology professional experiences with the process.

The Process	The opinions		
	$\bar{x}$	SD.	Result
1. To receive orientation or a pre-apprenticeship.	3.76	1.01	High
2. To be guided by teachers and staff.	3.70	1.11	High
3. The attention of the supervisor.	3.63	1.28	High
4. The attention of the supervisor of the agency.	3.70	1.35	High
5. Monitoring and evaluation of advisors.	3.58	1.19	High
Overview	3.67	1.09	High

From the Table 1, shows the mean and standard deviation of the attitude of students towards science and technology professional experiences in the overall level of student opinion at a high level ( $\bar{x} = 3.67$ , SD. = 1.09).

**Table 2.** The mean and standard deviation of the participation of students, students of the establishment.

The establishment	The opinions		
	$\bar{x}$	SD.	Result
1. The focus and attention to students' professional experiences.	4.25	0.86	High
2. Delegation to gain knowledge and experience	3.86	1.23	High
3. The hospitality of colleagues.	3.92	1.28	High
4. The suitability of the location and environment of the establishment.	4.00	1.08	High
5. Health and safety in the workplace.	3.62	1.19	High
Overview	3.93	0.82	High

From the Table 2, shows the mean and standard deviation of the participation of students of students, the establishment of the overall student opinion at a high level ( $\bar{x} = 3.93$ , SD. = 0.82).

**Table 3.** The mean and standard deviation of the attitude of students towards science and technology, professional experiences and attitudes of students.

The attitude of the students	The opinions		
	$\bar{x}$	SD.	Result
1. Confidence in their own ability.	4.07	0.80	High
2. Endurance and flexibility.	3.92	0.89	High
3. The ability to adjust to the emotional, social and recognize the sacrifices.	4.20	0.74	High
4. The creative work.	3.90	0.69	High
5. Responsibility and self-discipline.	3.62	1.17	High
6. Punctuality	3.62	1.13	High
Overview	3.89	0.62	High

From the Table 3, shows the mean and standard deviation of the attitude of students of science and technology with the professional experiences of the attitude of students as a whole class, in which students have opinions on many levels ( $\bar{x} = 3.89$ , SD. = 0.62).

**Table 4.** The mean and standard deviation of the attitude of students towards science and technology professional experiences.

The attitude of students towards science and technology professional experiences	The opinions		
	$\bar{x}$	SD.	Result
1. The Process	3.67	1.09	High
2. The establishment	3.93	0.82	High
3. The attitude of student	3.89	0.62	High

From the Table 4, shows the mean and standard deviation of the attitude of students towards science and technology professional experiences. The study found that students with the reviews is high level in all aspects. Each side is divided as follows: the attitude towards the establishment of a high level ( $\bar{x} = 3.93$ , SD. = 0.82) on the attitudes of students at the high level ( $\bar{x} = 3.89$ , SD. = 0.62) and the high level ( $\bar{x} = 3.67$ , SD. = 1.09) in order.

**Table 5.** Compare the attitude of students towards science and technology professional experiences by demographic characteristics.

The attitude of student	Sex	$\bar{x}$	S.D.	t	df	p-value
1. The Process	Male	3.43	1.18	-3.920*	221.433	.000
	Female	3.97	.89			
2. The establishment	Male	3.80	.90	-2.712*	221.271	.007
	Female	4.08	.67			
3. The attitude of student	Male	3.79	.63	-2.705*	220.187	.007
	Female	4.01	.60			

\*Significant level 0.05

**Table 6.** Compare the attitude of students towards science and technology professional experiences by the department.

The attitude of student	Departmen t	$\bar{x}$	S.D.	t	df	p-value
1. The Process	Science	3.65	1.10	-.238	224	.812
	Apply Sci	3.68	1.09			
2. The establishment	Science	3.91	.81	-.224	224	.823
	Apple Sci	3.94	.82			
3. The attitude of student	Science	3.81	.63	-1.083	224	.280
	Apply Sci	3.92	.62			

The attitude of students towards science and technology, professional experiences, demographic characteristics by gender showed a different result in the attitude of students towards science and technology professional experiences are different. Different attitude consists of the establishment of the attitude of the students and the process by statistically significant at the 0.05 level. The results showed that female students of the Faculty of Science and Technology on the professional experiences higher than male students in all aspects of the department was no different as shown in Table 5, 6.

## DISCUSSION

The results showed that the attitude of students towards science and technology professional experiences in all aspects, namely the establishment, the attitude of the students and the process, respectively. The attitude of students of science and technology with gender differences result in the attitudes of students toward professional experiences in the workplace, the attitude of the students, the process is different significant statistically 0.05. The study also found that female students' attitudes towards science and technology professional experiences than men in all aspects of the department is no different. Shows that students focus on the process rather than the establishment of professional experiences, which is an important part of professional experiences in line with the concept of [7]. The internship meant to increase the skills and experience to benefit the careers help students with the knowledge and understanding of the actual work. To achieve the skills and ability to work well in line with the needs of the labor market, both in enterprises and self-employed. Students have the opportunity to use new tools in the workplace, as well as about the procedures and techniques to discover how to create an effective yield. It also builds confidence and positive attitude towards the professional, students are motivated to perform well in an important enhancement to the profession in the future.

## RECOMMENDATION

1. Any suggestions on bringing research results to the user.

1.1 The relevant authorities should aim to strengthen knowledge and understanding of the process of professional experiences to more.

1.2 The relevant authorities should promote and support activities to prepare for the professional experiences of students by providing more features.

## 2. Suggestions for further research.

2.1 Research in the future should study the available information in order to develop professional experiences even further.

2.2 Researchers should study the elements needed to make it more scientific, professional experiences.

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