

Professional Competencies and Attitudes of Metal Crafts to strive Context of Space and Harmony of the Local Culture According to the Review of the Management and Workers in the Establishment of the Steel Industry

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Abstract

The purposes of this study were to professional competencies and attitudes of metal crafts to strive context of space and harmony of the local culture according to the review of the management and workers in the establishment of the steel industry. The population were the administrators group & technicians group. Questionnaires were sent to 33 administrators and 33 technicians. The completely answered copies returned from each group amounted to 87.87 percentage. The data was analysed using statistics of percentage, mean and standard deviations. It was found that the analysis of data for 9 aspects of competency in the work of technicians. Both groups have similar opinions that 8 aspects are greatly needed : 1) production, 2) the installation and maintenance treatment system working machinery, 3) computer knowledge, 4) knowledge of english , 5) testing and practices metals, 6) welding, 7) the metal forming operations, and 8) reading writing and drawing. Both groups have the some opinion that four aspects are greatly needed which are discripts attitude, personality and human relationships.

Key words : professional competencies , attitudes , metal crafts, strive context of space , harmony of the local culture

Abstract

The world today is developing very fast. Information technology advances and globalization the industry needs to make the market competitive to continue producing quality products and modernity. That in the manufacture of industrial products ,whether the industry type and often just can't help the many problems that

and often just can't help the many problems that hinder the production system. The most common the shortage of skilled workers and lack of technology. The need to develop skilled personnel to engineers were by training them intensively and require the system to educate technicians and engineers (Teravuti ,1999:8). Then the technician should will be developing as

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a resource for people in the medium to strive context of space and harmony of the local culture and visitors to meet the needs of enterprises in the market. Then any manufacturers will have been struggling to maintain their market share held as a result, competition have to competed on price and quality of goods sold to foreign manufacturers as well. So to prepare people to be quality matches the job description therefore it has been important and necessary for the developing of the industry forward. Because outgrow the world in science and technology. Therefore, the management of vocational and technical education, that varies depending on the progress it. The curriculum will be improving or changing regularly to keep pace with today's technology. The availability of resources, manpower issues going into the industrial sector as the government plans to include into the National Economic and Social Development (2012-2016) (The Office of the National Economic and Social Development, 2011). The government needed to take action quickly and consistently since the National Social and Economic Development Plan about 7 and information from the Department of Economics in 1995 onwards. It was found that exports of steel products are likely to increase over the years. The advance technology used in production have been to playing a role in the steel industry. These things need to be knowledgeable personnel specialization in order to control and maintain. Which will have been including development and technology transfer to technicians working in the manufacturing process. It can be said that in the production of steel in the country. That will have

utilizing the technology used in the production process such as ; welding, extrusion pumps, and finishing success, etc. The production of iron and steel in the first half of 2011 there are approximately 6,282,806 ton (excluding semi-finished steel products and steel pipes). An increase of 19.81 per cent compared to the same period last year, the steel has greatly expanded 36.72 percent. Due to the expansion of real estate ,the housing project by the private sector has continued and the second coated tin plate an increase of 35.06 per cent .Moreover, the manufacturers are afraid that prices of industrial raw materials such as scrap billet small, which have soared since late 2005- early 2011 will rise. Allows manufacturers to increase production in order to keep the stock Source: (Customs, 2011).

For the reasons mentioned above the researchers were being interested to study to professional competencies and attitudes of metal crafts to strive context of space and harmony of the local culture was according to the review of the management and workers in the establishment of the steel industry. However, the findings of research that will has been developing and improving the quality of technical courses metals to be ready to meet the needs of enterprises in the context of contemporary culture and local.

Purpose

This study were to professional competencies and attitudes of metal crafts to strive context of space and harmony of the local culture according to the review of the management and workers in the establishment of the steel industry

Research Methodology The quantitative research (descriptive) include.

1. The population of this research. The population in the study executive establishments and practitioners metalwork. They are working in the steel industry enterprises. The action on the production of components, containers and metal products about 33 factories in Bangkok. Which can be dividing into two groups, one for each of the following. Management group in the establishment of about 33 people were including business owners or factory managers or deputy managers or engineers, one of about 33 places. The group of about 33 workers were technicians or department head or engineers who were graduated branch technicians or metal smith about 33 people from a list of plants that were allowed to operate at 61 and 64 (12) - (14) at year-end 2011(prepared in February 2012).

2.Instrument used in research. The research from the course textbook was printed documents as well as qualified consultants and experienced metal worker. To be used as a guide to create a questionnaire. The rating scale level 5 to level. The purposes of the research were study and analysis and to determine the scope of questions.Principles of creating questionnaire a draft it. That were divided into two parts by a part of the executive in the workplace, the worker in the workplace. Each questionnaire it is consists of three questions. Chapter 1 : overview of the respondents. The nature of the questions are multiple choice and fill. Chapter 2 : performance information on the professional technician's knowledge and skills metals. Evaluation looks on a scale level 5 to level. Chapter 3 : Information

about are the attitudes of the technicians metals. Evaluation looks on a scale level 5 to level. Which were leading experts presented a draft questionnaire to check the authenticity and to improve . Test draft questionnaires sent to executives metals and technicians 20 of the steel industry in the workplace.It had acquired data analysis of reliability by means of a questionnaire was measuring constant internal alpha coefficient (Cronbach), which will the confidence of both the questionnaire at 0.7898.

3. Data Collection. The research will be conducting to collect information on the hierarchy. It requested cooperation from the respondents. The guidebook from RMUTSB.Nonthaburi Centre ,the establishment selected send the requested cooperation and a mail survey. It was taking about four weeks to collect the questionnaires. The questionnaires were sent out to about 33 of the number of questionnaires and steel industry executives and worker's total of about 33 letters, about 26 questionnaires were returned representing 87.87 percent of the plant, some of the remaining business, and some of transforming the business to do otherwise.

4. The statistics used for data analysis. Statistics, percentage, mean, and standard deviation. Data processing software packages SPSS / PC V. 15.0.

Research results.

General information about the worker, technicians metals group steel industry most males than females. Most are younger than 30, followed by 31-40 years. Position or a career as a

technician in the most current 70.70 percent, followed by an engineer. Most industry related experience 6-10 years, followed by 1-5 years. Industry related experience 6-10 years, and followed by 1-5 years. The study of the professional competence of technicians were working in the metal in the workplace. The steel sector the business related to the production of machinery and metal products of all kinds. Which depicts the fitness to practice is as about 9

follows : 1) the welding, 2) metal forming operations, 3)the decorative surface finish, 4) the reader, design, manufacturing, 5) testing, 6) metals and practices, the installation, 7)operation and maintenance of mechanical, 8) computer knowledge ,and 9) the knowledge of English.

Table 1 reviews the executive establishment professional technicians and workers metal about the fitness to practice an average of nine.

Professional performance	Adminis trator (\bar{x})	Reviews demand	Worker (\bar{x})	Reviews demand	Adminis trator (S.D.)	Worker (S.D.)
In welding	3.74	very	3.85	very	1.16	0.89
Operations metal forming	3.69	very	3.93	very	1.29	0.75
The decorated surface finish	2.95	moderate	3.22	very	1.26	1.10
Reading writing and drawing	3.66	very	4.05	very	1.09	0.73
Production	4.41	very	4.17	very	0.70	0.94
Testing and commercial metals operations	3.75	very	3.92	very	1.13	0.84
The installation and maintenance Treatment system working machinery	4.39	very	3.72	very	0.90	0.88
Computer knowledge	4.00	very	3.57	very	0.83	0.70
Knowledge of English	3.97	very	3.93	very	0.78	0.57
Total average	3.84	very	3.82	very		

From table 1 about the performance of professional technical metal the management of the establishment workers were found that a metal forming, 3) reading writing and drawing , 4) production, 5) testing and commercial metals operations, 6) the installation and maintenance

worker has an averaged of reviews. That average synonymous with executive establishment high level in 8 areas follow that : 1) welding , 2) the treatment system working machinery , 7) computer knowledge , and 8) knowledge of English. The comments on the performance of

professional technical metal the management of the establishment workers found that ; a worker has an averaged of reviews. That average synonymous with executive establishment one is moderate aspects finishing success. The results of the study of the physical metal

technicians who were working in the establishment of the steel industry. However, the findings of research that will has been developing and improving the quality of technical courses metals to be ready to respond to the needs of enterprises.

Table 2 reviews the executive establishment. And professional practitioners

The technicians metal attitude about the 4 sides

Professional performance	Adminis trator (\bar{x})	Reviews demand	Worker (\bar{x})	Reviews demand	Adminis trator (S.D.)	Worker (S.D.)
Interpersonal	4.32	very	4.21	very	0.74	0.55
Personality	4.40	very	4.25	very	0.70	0.56
Operational	4.45	very	4.25	very	0.56	1.05
Total average	4.43	very	4.27	very		

Summary and Discussion. The results of this research were considering comments on the performance of professional technicians, administrators and metal workers, technicians found that 9 metal with the corresponding level in more than 8 sides together follow that : 1) production, 2) the installation and maintenance treatment system working machinery, 3) computer knowledge, 4) knowledge of english , 5) testing and practices metals, 6) welding, 7) the metal forming operations, and 8) reading writing and drawing. The reviews were matching a moderate one side and the side of a surface finish achieved. This consistant with the concept Teerawut (1999), he mentioned indicator of technicians in the operation found that ; the technicians will the habit of maintenance tools and equipment,the ability of the material,and mechanical maintenance, and in line with research results Kasemchai (2012) , his research capacity artisans welding desirable to meet the needs of enterprises in steel shipyard research

found that ; physical professional craftsman welding items that executives need first is to maintain the equipment, and the environment. The average skill level, items executives need first is maintenance of machinery, and consistent with the concept of Shongwut (1998), his research technician profession of physical metal, according to the executive, and workers in the establishment of the work group metal and nonmetal industries eastern coast. The research was found that executives establishment and the demand for physical metal technicians' knowledge and abilities in very of the 15 areas. The quality control is a requirement in first.

Recommended by bringing research results to users. Postgraduate Diploma (Bachelor.) 2-year course to add professional content on : 1) the production side, 2)the installation and mechanical maintenance, 3) the computer knowledge ,and 4) the knowledge of English. To meet the needs of enterprises. It will have fielded ethical practice, promoting personality

and strengthen relations, attitudes and practices to learn more and more

General Recommendations. There should be research on the needs of administrators, operators and practitioners in the field and

undergraduate should be research on the environment in the work of technicians metals in industrial enterprises to any areas in a parts of country.

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