

Research Title : Development of the Assessment and Audit Educational Quality Tools within the Educational Institutions, Photharam Technical College.

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Year : 2019 – 2020

Abstract

The main purpose of this research was to develop the Assessment and Audit Educational Quality Tools within the Educational Institution for driving the quality of educational management of Educational Institution, Photharam Technical College. The Specific purposes were: 1) to study current conditions, problems, and guidelines for the Assessment and Audit of Educational Quality within the Educational Institution. 2) to develop the Assessment and Audit Educational Quality Tools within the Educational Institution, Photharam Technical College. 3) to try out the Assessment and Audit Educational Quality Tools within the Educational Institution, Photharam Technical College. And 4) to evaluate the use of the Assessment and Audit Educational Quality Tools within the Educational Institution, Photharam Technical College.

The research was conducted into 4 stages. The objective 1. Research₁.The first stage: to study the current conditions, problems, and guidelines for the Assessment and Audit Educational Quality within the Educational Institution, Photharam Technical College. Collect current condition and problems by using questionnaires with 48 participants consisted of 4 executives,26 Supervisors, 15 department heads, and 3 internal assessors within the Educational Institution. The interviewees to study the guidelines for the Assessment and Educational Quality Audit within the Educational Institution by using structured- interviews and open-ended questionnaires that included 11 qualified experts. All of the participants in this stage were selected by the purposive sampling. The objective 2. Development₁.The second stage: to develop the draft of Assessment and Audit Educational Quality Tools within the Educational Institution, Photharam Technical College by a discussion group of 11 experts. The qualified experts for inspecting the draft of the Assessment and Audit Educational Quality Tools within the Educational Institution, Photharam Technical College by seminar based on 5 qualified experts. The draft of the Assessment and Audit Educational Quality Tools within the Educational Institution, Photharam Technical College, was evaluated by 7 qualified experts. All of the participants in this stage were selected by Purposive Sampling. The objective 3. Research₂.The third stage: to try out the Assessment and Audit Educational Quality Tools within the Educational Institution, Photharam Technical College in the real situation at Photharam Technical College. Collected the data from the reports of experimental results, which was recorded by the Head of Quality Assurance and Educational Standards about strengths, points for improvement and suggestions.The opinions towards the Assessment and Audit Educational Quality Tools within the Educational Institution, Photharam

Technical College, of 48 participants as the first stage, were evaluated by using questionnaires. The objective 4. Development₂The fourth stage: to evaluate the use of the Assessment and Audit Educational Quality Tools, Photharam Technical College consisted of 1) The Evaluation of efficiency and effectiveness of the Assessment and Audit Educational Quality Tools within the Educational Institution, Photharam Technical College. The group of 48 informants, as a previous stage, were selected by Purposive Sampling. 2) Report on the achievement from Self - Assessment Report (SAR) and compared the result between the years 2019 and 2018. And 3) Collected the number of learners, teachers, administrators and educational institutions who received awards at the provincial, regional and national levels in the academic year 2019 compared with the evaluation results of the academic year 2017-2018 from the Self Assessment Report (SAR) of Photharam Technical College that provided from Head of Quality Assurance and Educational Standards Photharam Technical College. The research instruments used for collecting data were questionnaires, interview forms, Data analysis forms, Data record forms of focus Group and connoisseurship, and the forms of reporting the achievement. Statistical Analyses were Frequency, Percentage, Mean, Standard Deviation, and content analysis.

The research findings revealed that:

The Objective 1. Research₁.The first stage: The evaluation result on the current conditions in the process of Assessment and Audit Educational Quality within the Educational Institution, Photharam Technical College as a whole, was at a moderate level ($\bar{X} = 2.63$, $SD = .59$). The evaluation on the problem's conditions in the process of Assessment and Audit Educational Quality within the Educational Institution, Photharam Technical College as a whole, was at a high level ($\bar{X} = 3.59$, $SD = .19$). It is necessary to improvement, correction and development of the assessment process to have more quality. The suggestions from the qualified experts for driving the quality of educational management of Educational Institution, Photharam Technical College was to develop for 3 parts; 1) Educational Quality Assessment and Audit Manual, 2) Educational Quality Assessment and Audit Tools, and 3) Education Quality Assessment and Audit Report Manual.

The objective 2. Development₁.The second stage: The results in the drafting of the Assessment and Auditing Educational Quality Tools within the Educational Institution, Photharam Technical College. The guidelines were taken from the study of current conditions, problems and results from interviews with experts. The researcher drafted the Preliminary evaluation tools, by group discussion of 11 experts together with the researcher. It consists of 3 main elements, 7 sub-elements and content: 1) Educational Quality Assessment and Audit Manual which consisted of 3 parts as (1) Assessment and educational quality audit within the Educational Institution. (2) Educational Standards of Educational Institution, Photharam Technical College. (3) Criteria for assessment and educational quality audit within the Educational

Institution, according to the educational standards of Photharam Technical College. 2) Educational Quality Assessment and Audit Tools which consisted of 2 parts as (1) Establishing a tool for assessment and audit of educational quality within Educational Institutions. (2) The tool for using to assess and audit the quality of education within Educational Institutions. and 3) Education Quality Assessment and Audit Report Manual which consisted of 2 parts as (1) Establishing an Educational Quality Assessment and Audit Report. (2) Documents for establishing an Educational Quality Assessment and Audit Report within Educational Institutions by 5 experts who examined the quality in 5 dimensions. The results of the inspection of the draft of the Assessment and Auditing Educational Quality Tools within the Educational Institution, Photharam Technical College according to the qualified experts' opinions which were the Completeness, the consistency, the suitability, the possibility, and benefits all of the 3 components. And the evaluation result of the suitability of the Assessment and audit Educational Quality Tools within the Educational Institution, Photharam Technical College by 5 experts as a whole, was at the highest level (\bar{X} =4.61, SD=.11). Then the researcher has improved the Assessment and Auditing Educational Quality Tools; according to the suggestion for further trials.

The objective 3. Research₂. The third stage: The result of the evaluation of opinions towards the Assessment and Audit Educational Quality Tools within the Educational Institution, Photharam Technical College from the record form for reported the results of using of the Internal educational quality assessment... ;found that its outstanding point is complete can be used to assess the quality of education within educational institutions covering all missions. Can be Used to drive the preparation of self-assessment reports in a complete, accurate and timely manner as specified by the agency. And can be used as a tool to continuously drive the quality of educational management of educational institutions. And the development point it's should be beautifully presented, separated into 3 books for ease of use. And should add a table about the comparison of assessment results with the goals set by educational institutions in order to know whether the results meet the goals or not and how. And 2) The result of the evaluation of opinions towards the Assessment and Audit Educational Quality Tools within the Educational Institution, Photharam Technical College from 48 persons who were in the experiment process as a whole, was at the highest level (\bar{X} =4.52, SD=.24) That is suitable for use in internal education quality assessment of Photharam Technical College. The researcher therefore brought suggestions to improve. Revise the educational quality assessment and monitoring tools within educational institutions. Photharam Technical College. This is the second revised version.

The objective 4. Development₂. The fourth stage: The evaluation result of the using of the Assessment and Audit Educational Quality Tools within the Educational Institution, Photharam Technical College, it was found that:

4.1 The Evaluation result of efficiency and effectiveness of conducting by using the Assessment and Audit Educational Quality Tools within the Educational Institution, Photharam Technical College were found that the Efficiency was at the highest level. (\bar{X} =4.63, SD=.34) and the effectiveness was at the highest level. (\bar{X} =4.72, SD=.44) which passed the overall assessment criteria set at (\bar{X} \geq 3.51, SD. \leq 1.00)

4.2 The achievement of using the Assessment and Audit Educational Quality Tools within the Educational Institution, Photharam Technical College were found that

4.2.1 The results of the educational quality assessment according to the Educational Standards of the Educational Institution, Photharam Technical College within the framework of 3 standards, 10 assessment issues, 16 sub-assessment issues, 58 success of indicators, as a whole was at an excellent level (\bar{X} =4.60), which was on the target designated at (\bar{X} =4.51-5.00) and when compared with the evaluation results of the academic year 2018 which has the overall assessment result was at a good level (\bar{X} =3.47), it was found that the assessment result for the academic year 2019 was higher than the assessment result for the academic year 2018 (\bar{X} =1.13). When considering each standard, it was found that in the 2019 academic year, every standard had more quality assessment results than the 2018 academic year. Quality affects the quality of management. quality of students and graduates and building a learning society according to educational standards set by educational institutions

4.2.2 The results of the educational quality assessment according to the Vocational Education Standards 3 Standards, 9 Assessment Issues according to the Assessment framework 5 Standards, 25 items of assessment of the Office of Vocational Education Commission as a whole, was at an excellent level (\bar{X} =4.72), which was on the target designated at (\bar{X} =4.51-5.00), and when compared with the evaluation results of the academic year 2018 which has the overall assessment result was at the excellent level (\bar{X} =4.31), it was found that the assessment results for the academic year 2019 was higher than the assessment result of the academic year 2018 (\bar{X} =.41). When considering each standard, it was found that in the 2019 academic year, every standard had more quality assessment results than the 2018 academic year. The quality affects the quality of educational management of educational institutions in terms of quality of learners and desirable characteristics. Management and the creation of a learning society

4.3 The number of awardees of the students, teachers, Administrators, and the college received after using the Assessment and Audit Educational Quality Tools within the Educational Institution, Photharam Technical College in the academic year 2019 were as follows:

4.3.1 The number of awardees at national, regional and provincial levels of learners in the 2019 academic year, 107 people, 41 students in the 2018 academic year and 34 students in the 2017 academic year, the number of award recipients in the 2019 academic year increased more than in the 2018 and 2017 academic year, equal to 66 and 73 people, respectively.

4.3.2 The number of teacher awardees at national, regional and provincial levels in the 2019 academic year was 80 people, in the 2018 academic year 19 people and 1 person in

the 2017 academic year. The 2019 academic year had more recipients than the 2018 academic year and 2017 academic year, equal to 61 and 79 people ,respectively.

4.3.3 The number of recipients of national, regional and provincial awards for administrators in the academic year 2019, 1 person, 2 prizes, in the academic year 2017-2018, no award recipients. The number of award recipients in the 2019 academic year 2019 increased more than 2 awards in the academic year 2017-2018, with 2 prizes, 1 person.

4.3.4 The number of awardees at the national, regional, provincial levels of educational institutions in the 2019 academic year, 10 people in the 2018 academic year and 10 people in the 2017 academic year, 10 more recipients in the 2019 academic year than in the 2017-2018 academic year respectively.

4.4 The results of improvements The Assessment and Audits Education Quality Tools within the Educational Institutions, Photharam Technical College. According to the recommend of the assessment results according to items 3.1-3.2 and criticisms. The researcher has improved Revise by making document to increase standards in the amount of 3 volumes,1) Educational Quality Assessment and Audit Manual 2) Educational Quality Assessment and Audit Tools and 3) Education Quality Assessment and Audit Report Manual.

(Total 538 pages)

Keyword: Assessment and Audit tools/Assessment and Audit Educational Quality