

Monitoring and Evaluation of Internship 1 with PDCA Quality Cycle and Coaching Process on Smartphone

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ABSTRACT

The purpose of this research was to monitoring and evaluation of internship 1 with PDCA quality cycle and coaching process on smartphone. The sample were 62 students by purposive sampling, 5 grade in first semester academic year 2018 of General Science, Faculty of Education, Bansomdejchaopraya Rajabhat University. The research instrument was a questionnaire with a consistency index was between 0.86 – 1.00 discrimination was between 0.64 - 0.87 and a reliability was at .89. The statistics used for data analysis were population mean, and population standard deviation for approximate data qualitative data uses content analysis and descriptive summaries.

The results show that the concept of monitoring and evaluation of internship 1 with PDCA quality cycle and coaching process on smartphone at the highest level ($\mu=4.87$, $\sigma =0.12$). The result of compare of knowledge were that post-test ($\mu=38.98$, $\sigma =0.37$) higher than pre-test ($\mu=18.54$, $\sigma =2.48$) and statistical significance was at .05 and it was found that the internship 1 was the curriculum of general science have a model of prepared before internship 1 with transform efficient experience by meaningful learning and linking teaching information from schools to universities via smartphone was statistical significance at .05 level. Integration of major area knowledge implementation into teaching practicum in schools; learner's developing project management, teachers' assignment as provision; learning Instructional plan management and learning process management; measurement, evaluation and implementation the outcome in learning management and learners developing; knowledge exchanging and sharing in educational seminar; research for learners' developing by collecting major area knowledge and practicum to the paper and awareness with appreciated of value teacher by hardworking, problem-solving for full student capability combination of love and mercy of full spiritual teacher and PDCA were the 1) Plan (P) with coaching consist of preparation Introduction lesson plan 2) Do (D) with coaching consist of 2.1) Projects Works & Activities were as problem based learning, understanding situations,

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learning science process skills 2.2) Brain storming were as proposed approach to solve the problems of their own, explain the reason of problem solving, change opinion & participation 2.3) Problem Solving were as Presentation, question & answer, conclusion, presentation of knowledge with smartphone 3) Check/Study (C) with coaching were as evaluation of instruction, guideline to students for development and 4) Act (A) with coaching were as plan for development, lesson plan, innovation for learning and facilitators.

CCS Concepts

Applied computing → Collaborative learning

Keywords

Monitoring, Evaluation, Internship 1, PDCA, Smartphone

1 INTRODUCTION

The development of science teachers, science faculty, general education Bansomdejchaopraya rajabhat University has an important goal is to improve the quality of students and the efficiency in terms of knowledge and experience, creative excellence, innovation. Teaching to develop students into the school, which is a goal that has defined a strategy to branch and with the development processes and patterns which used Coating system with PDCA, and updated continuously by the course fielded knowledge and techniques. Khwathi to comply with the students and the advancement in technology. Social conditions, economic knowledge and skills for future job market needs and students' learning behaviour. In academic practice teaching in schools is 1 to start doing the teaching. Which students will have the knowledge and experience that has been learned is at 4 years, and students in the school in accordance with the objective laid down by the framework of the course and learning management plan. In particular, scientific process skills to use creative, innovative learning and invention of new, exotic and beneficial to student societies. There is a developing scientific knowledge integration by a student will receive a monitoring and evaluation system and supervision from teachers with PDCA Coating to develop the potential of students, can teach development consistent with learning management in 21 century.

The 21st century under the framework of preparation to study science, Thailand 4.0 era, which this year is the first year. By focusing on teachers and school administrators to design learning activities in the form of a full roller (STEM Education) with the introduction of Cognitive Science, Technology and Engineering, and mathematics Capped innovative as well as understanding the process of learning communities (PLC) to encourage the students to have a good attitude to learn and practice skills that will contribute to the achievement of the highest class. Meet the educational world in Thailand 4. 0 truly it also allows students to