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Health Informatics Curriculum Implication Development and Trends

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ABSTRACT

Health information technology adoption in the healthcare industry has many benefits, such as improved quality of care, lower costs, uniform access, prompt service, better administrative efficiency, and a significant reduction in paper documentation. In Mongolia, about twenty information technology departments operate in level I, II, and III hospitals. The program that trains health and informatics professionals to work in these offices is about to graduate its fourteenth class. As a result, we propose studying the program's effectiveness and implementation.

A survey was collected from 20 employers from 14 institutions that employ Mongolian National University of Medical Sciences informatics and health program graduates. Employers were asked questions on the graduate's workplace weaknesses and strengths, employment requirements, compatibility, or evaluation of the specialist's knowledge and skills, the specialist's market demands, and future attitudes in the survey. The study considered the post-graduate education of the alumni, their authorship of books, manuals, and scholarly publications, their participation in conferences, seminars, and consultations, as well as their readiness for professional engagements and engagement in both domestic and international projects.

For this satisfaction survey as well as other questionnaire surveys, a database was made. This database's cluster analysis was conducted using the SPSS program. Five satisfaction levels were utilized to assess responses: "excellent", "good", "moderate", "bad" and "very bad".

As per the labor market share study, 84.5% of graduates work in academic institutions, the Department of Health, and hospitals classified as II and III. Additionally, 68% of graduates are employed in jobs related to informatics, health specialists, and network engineering, respectively. Eighty-five percent of employers expressed satisfaction as excellent or good. In terms of how well they match market demands, acquired knowledge and skills, and contemporary development trends, 53% of all courses have an average level of satisfaction, and 47% have a level of satisfaction that is below average. Postgraduate education was pursued by 23% of all graduates, with master's degrees being obtained. The graduates' publication of papers at academic conferences serves as proof that they are involved in both professional and academic endeavors.

Keywords: Informatics, health curriculum, satisfaction survey, cluster analysis