

An Efficiency in Producing the Graduates at
Rajamangala Institute of Technology, Southern Campus
in Academic year 1994

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ABSTRACT

Purpose of the study

The objectives of this research were to analyze the results of the measurement and evaluation in the education process, the educational results of the graduates and to study the efficiency in producing the graduates at Rajamangala Institute of Technology, Southern Campus.

Methodology and procedures

Data analyzed consisted of (i) the results of the measurement and evaluation (in the educational process) for the academic year 1994 from 4,526 students. (ii) the educational results of 1,242 students graduated in the academic year 1994 and (iii) the data for studying the efficiency in producing the graduates from 1,030 students who enrolled in the academic year 1993 - 1995. Data were analyzed by means of percentage, means, standard deviations and Z-test.

Research findings

The research findings from the educational measurement and evaluation for all subjects in the academic year 1994 indicated that the mean of G.P.A. was 2.54, for part-time students G.P.A. was at 2.58 and 2.51 for full-time students with the difference significant at .01 level.

The subjects in which the students achieved low grade (G.P.A. was less than two) were both general and professional subjects particularly Mathematics, Science and subjects using Mathematics as the basis. Pertaining to these subjects, above 30% of the students got G.P.A. less than two.

The G.P.A. of the total graduates was 2.60. The divisions that the students got high G.P.A. were Marine Technology, Clothing and Textile, Architectural Design, with the G.P.A. at 2.88, 2.79 and 2.71 respectively. The other divisions got G.P.A. between 2.55 - 2.69, except for Electrical Power Technology, Metal Technology and Civil Technology, which had rather low G.P.A., at 2.40, 2.47 and 2.47 respectively

The efficiency in producing the total number of graduates was 90.75%. Such divisions as General Home Economics, Secretary Science, Marketing, Mechanical Power Technology Construction Technology, Machine Shop Technology, Clothing and Textile, Architectural Design, Electrical Power Technology and Food and Nutrition achieved the highest efficiency between 91.51 - 96.17%. The others had the rate between 79.79 - 89.43% except Marine Technology which achieved rather low efficiency with 67.18%

Recommendations

(i) Administrators and teachers should be more vigilant and help the weak students by arranging remedial courses and allow the students to re-test. This is especially essential for the subjects students got low grade (ii) The efficiency in producing graduates should be increased in some divisions. Over all development should be given to particular divisions which received rather low production efficiency (iii) Student morale and Ethics should be more and continuously developed, especially having reasonableness, responsibility and discipline.