Graduate Employability and Demographic Insights: A Bachelor of Science in Information Technology Tracer Study

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Abstract*—This graduate tracer study examines the employment status, socio-demographic profile, and program relevance among Bachelor of Science in Information Technology (BSIT) graduates from Eulogio "Amang" Rodriguez Institute of Science and Technology (EARIST), class of 2024. Using survey data from 62 respondents collected approximately 3.3 months post-graduation, descriptive statistics and inferential analyses, including chi-square tests, independent samples t-tests, and one-way ANOVA, were employed to explore relationships between graduate demographic attributes and employment outcomes. Results reveal an employment rate of 32.3%, with no statistically significant gender differences in employment status ($\chi^2(1, N=62)= 0.065$, $p = 0.799$) or age-related employment variations. The study demonstrates gender-equitable employment access and identifies the predominance of full-time (55%) and contractual (35%) positions among employed graduates. Findings indicate strong curriculum-to-employment alignment, with 60% of employed graduates

working in IT-related sectors. The study concludes that demographic factors (gender and age) do not significantly predict employment outcomes at the early career stage, suggesting that employment success depends on individual competencies and market factors. Recommendations include longitudinal tracking, industry partnership expansion, and integration of curriculum relevance assessment in future tracer studies. This research provides critical baseline data for EARIST's BSIT program evaluation and continuous improvement initiatives aligned with accreditation standards and institutional quality assurance frameworks.

Keywords—*Graduate Tracer Study, BSIT, Employability, Demographics, EARIST, Statistical Analysis*

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