

Design Analysis for Declining Admission Trend in Canada Public Diploma Programs

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Abstract : The current survey reports and data demonstrate a declining trend of admissions in instructor-led synchronous diploma programs in Canadian public higher education institutes. A significant impact can also be seen on various Information Technology (IT) related diploma programs in prominent Canadian higher education institutes across the country. The significant external factors that impact the students' interests in admission in instructor-led synchronous Information Technology related diploma programs include but not limited to easy access to online learning materials provided by external competitors. The high involvement of the IT giants like Microsoft, Cisco, Google, AWS, Linux in training and certification programs through their Learning Management Systems (LMS) came with their academy's establishment. They offer and provide very scientific advanced kind of learning and teaching resources embedded with cloud and artificial Intelligence (AI) tools, techniques and design. The other external factor is the best fit of rate of change of technology (velocity) in business vis-à-vis the rate of change of adoption and transformation of cloud-based Artificial Intelligence (AI) in Canadian public higher education institutes for diploma programs. The significant internal factors may include but are not limited to the legacy type of curriculum design, tools, techniques, style, and delivery. The other major contribution in declining admission trend in Canadian public higher education institute's IT related programs is the diversity of learning and teaching styles comes from existing hiring and immigration processes. The proposed research addresses the major contribution of both internal and external factors in declining admission trend in instructor-led synchronous diploma programs in Canadian public higher education institutes. The research approaches to be adopted for the proposed work include collecting data, filtering data, quantitative analysis, qualitative analysis and mixed approach. The focal point of this research is the contribution of major internal factors in declining admission trend including curriculum design, delivery methods, academic integrity, velocity, cloud-based AI tools, techniques and integration with existing learning management system. Finally, the research results come up with analysis-based recommendations and design to cope with challenge of declining admission trend in Canadian public higher education institutes diploma programs vis-à-vis internal and external factors.

Keywords : advanced curriculum design, analysis of internal educational factors, analysis of external educational factors, educational technology

Conference Title : ICEPTS 2025 : International Conference on Educational Policies and Teaching Strategies

Conference Location : New York, United States

Conference Dates : June 05-06, 2025