Abstract

Admission exercise has been a crucial activity that is performed almost every year by Universities. One of the challenges confronting these institutions during the admission exercise is the selection of the most qualified candidates who supposed to be given admissions in order to undergo studies with less difficulties. Some researchers have been able to develop admission support systems in order to assist to mitigate this challenge. In order to improve the standard of candidates to be admitted, this research work has developed a knapsack problem approach system titled, “Admission Decision Support System for Nigerian Universities.” Which screens and ranks the qualified candidates and offered them admissions based on their aggregate points obtained from their UTME and O-level results. NetBeans7.2.1, Jboss4.2.2GA, My SQL and Macromedia Dreamweaver 8.0 were used in designing the system.

References

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**Index Terms**

Computer Science  
Information Systems

**Keywords**

Decision, Admission, Knapsack problem, System, Dynamic Programming