

## Design of a Study Table for Computing Undergraduates Using Kansei Engineering

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### Abstract

In the present, product designs are more complicated when compared to past designs. It is important that the design of the items be attractive and comfortable to use. The study table of computer undergraduates differs from that of other undergraduates. In general, it is used to store books and arrange study materials effectively, and it should be designed in such a manner that students are encouraged to study. However, for computing students, not only books but also devices should be placed on the study table so they can easily handle them. After analyzing these facts, the authors decided to develop a table that would be convenient for the students. The main aim of this study is to design a study table using Kansei Engineering. The result of the research is based on the questionnaire, and fifteen Kansei words have been chosen. And the final design is created by considering those words and using the statistical analysis of the questionnaire. According to the analysis, the authors have designed an L-shaped, medium-sized study table. And it consists of monitor boards, an adjustable laptop holder, a headphone holder, sliding shelves, etc. Engineer wood is used as the material as it is durable, eco-friendly, cost-effective, and water-resistant. Furthermore, steel is used for the legs of the table, which are adjustable. That makes it more comfortable for the users.

**Keywords:** *Kansei Engineering, Study table, User-centered design*