

EVALUATION OF FITNESS BETWEEN SCHOOL FURNITURE AND STUDENT BODY SIZE

PROMILA DAHIYA¹, SUDESH GANDHI² & KIRAN SINGH³

¹Extension Assistant Professor, GCW, MDU ROHTAK

²Department of Family Resource Management, CCSHAU, Hisar

³Professor, Department of Family Resource Management, CCSHAU, Hisar

ABSTRACT

This study was carried out, in order to determine the level of mismatch between student's size and the furniture that they use at college. A total of 30 students were investigated. The body size of each student was assessed using standard anthropometric measurement technique. The existing furniture dimensions were also measured including seat height, depth and slope; table/desk height, depth and slope. The comparison between body size and furniture dimension was done by using parcels et al. (1999) scale. The result of the study showed that, height of seat and desk/ table was appropriate for the students, but seat depth and leg clearance space were not appropriate with student dimensions. The overall ergonomic design score of furniture was 4.5, and it showed that the design was poor and not appropriate for the students.

KEYWORDS: Anthropometric Measurement, Ergonomic Design Score & Leg Clearance

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