


Cross-functional teams and concurrent engineering: contributions to the development of product design through multidisciplinary integration using CAD systems

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Abstract: The existence of well-defined patterns constitutes an efficient strategy for the creation of integrated teams working jointly to make successful product development possible. Spearheading such efforts, computerized design support systems such as CAD (Computer Aided Design) offer an alternative for the establishment of the concept of cross-functional work teams which reduce communication problems that are often at the heart of high rework indices. Such computerization can provide adequate support for the implementation of development methodologies such as Concurrent Engineering. This paper presents relevant points aimed at contributing to underpin decisions involving the construction of integrated environments in cases where Cross-functional Teams, Concurrent Engineering and computerized design support systems are under dispute. The method applied in the development of this research was a case study of a methodological strategy employed at an auto parts manufacturer.

Keywords: cross-functional teams, concurrent engineering and computerized systems

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