Feasibility Study of Defense Research Projects: Identification and Analysis of Endogenous and Exogenous Parameters

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High technology research projects like defense and space technologies etc. are undertaken by Government of India departments like Defense Research and Development Organization (DRDO) and Indian Space Research Organization. The new project proposals are subjected to detailed review for its feasibility and completeness. This paper aims at identifying critical parameters based on Systems Engineering principles for evaluation of such new project proposals. A careful analysis of the parameters brings out the endogenous and exogenous characteristics which are important for successful completion of research and development projects. These parameters form the basis for deriving composite matrices which can be used for evaluation and feasibility of new research project proposals.

Keywords: *Systems engineering, Project feasibility, Endogenous, Exogenous, Factor analysis*

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